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<213> Mus musculus

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<213> Mus musculus

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<223> MOR261-12

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<212> DNA

<213> Mus musculus

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<223> MOR174-16

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<212> DNA

<213> Mus musculus

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<223> MOR263-10

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<223> MOR218-10

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<212> DNA

<213> Mus musculus

<220>

<223> MOR263-11

<400> 1232

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<220>
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<213> Mus musculus

<220>

<223> MOR219-5

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<212> DNA

<213> Mus musculus

<220>

<223> MOR223-8

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<213> Mus musculus

<220>

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<213> Mus musculus

<220>

<223> MOR283-12P

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<212> DNA

<213> Mus musculus

<220>

<223> MOR206-6

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<212> DNA

<213> Mus musculus

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<223> MOR114-12

<400> 1244

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<210> 1245

<211> 941

<212> DNA

<213> Mus musculus

<220>

<223> MOR110-11P

<400> 1245

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<212> DNA

<213> Mus musculus

<220>

<223> MOR130-2

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<212> DNA

<213> Mus musculus

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<223> MOR174-17P

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<211> 939

<212> DNA

<213> Mus musculus

<220>

<223> MOR174-18

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<212> DNA

<213> Mus musculus

<220>

<223> MOR224-12

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<212> DNA

<213> Mus musculus

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<223> MOR102-2

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<212> DNA

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<220>

<223> MOR267-15

<400> 1256

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<212> DNA

<213> Mus musculus

<220>

<223> MOR246-6

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<212> DNA

<213> Mus musculus

<220>

<223> MOR208-4

<400> 1258

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<212> DNA

<213> Mus musculus

<220>

<223> MOR208-5

<400> 1259

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<212> DNA
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<223> MOR256-49

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<223> MOR256-50

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<223> MOR217-1

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<212> DNA

<213> Mus musculus

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<223> MOR245-21

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<212> DNA

<213> Mus musculus

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<223> MOR245-22

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<212> DNA

<213> Mus musculus

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<223> MOR245-23

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<212> DNA

<213> Mus musculus

<220>

<223> MOR261-13

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<210> 1269
<211> 924
<212> DNA
<213> Mus musculus

<220>
<223> MOR171-46

<400> 1269
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<210> 1270
<211> 954
<212> DNA
<213> Mus musculus

<220>
<223> MOR223-9

<400> 1270
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<210> 1271
<211> 933
<212> DNA
<213> Mus musculus

<220>
<223> MOR256-51

<400> 1271

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<210> 1272

<211> 928

<212> DNA

<213> Mus musculus

<220>

<223> MOR162-12

<400> 1272

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<210> 1273

<211> 970

<212> DNA

<213> Mus musculus

<220>

<223> MOR106-13P

<400> 1273

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<210> 1274

<211> 967

<212> DNA

<213> Mus musculus

<220>

<223> MOR128-3

<400> 1274

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<210> 1275

<211> 967

<212> DNA

<213> Mus musculus

<220>

<223> MOR124-1

<400> 1275

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gttttctacc	tggtggtcac	acctgtcctc	aatccactca	tactacagcc	ttcgaaaccg	900
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<210> 1276

<211> 945

<212> DNA

<213> Mus musculus

<220>

<223> MOR267-16

<400> 1276

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accaacgctg	tgattgtttc	caccattgtg	ctagacagag	cccttcatac	gcccattgtac	180
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<210> 1277

<211> 693

<212> DNA

<213> Mus musculus

<220>

<223> MOR182-11P

<400> 1277

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gcattggtaa	tttttatttt	tgcttcttcc	atacaaatca	gtacctctgt	gactattata	420
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<210> 1278

<211> 845

<212> DNA

<213> Mus musculus

<220>

<223> MOR231-19P

<221> variation

<222> (460)...(621)

<223> Any nucleotide A, C, G or T

<400> 1278

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<210> 1279

<211> 793

<212> DNA

<213> Mus musculus

<220>

<223> MOR15-2P

<221> variation

<222> (323)...(379)

<223> Any nucleotide A, C, G or T

<400> 1279

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<210> 1280

<211> 292

<212> DNA

<213> Mus musculus

<220>

<223> MOR256-52P

<400> 1280

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ttctttctca gacaccttgc tactactgat ctgtgttatt caacagctgt gggaccaaaa 240
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<210> 1281

<211> 489

<212> DNA

<213> Mus musculus

<220>

<223> MOR202-38

<400> 1281

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gcatctgtgt tttatacaat ggtcattcct atgctgaacc ctgtggtcta cagcctgagg 420
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<210> 1282

<211> 376

<212> DNA

<213> Mus musculus

<220>

<223> MOR203-8P

<400> 1282

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<210> 1283

<211> 793

<212> DNA

<213> Mus musculus

<220>

<223> MOR220-4P

<400> 1283

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<212> DNA

<213> Mus musculus

<220>

<223> MOR136-18P

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<210> 1285

<211> 568

<212> DNA

<213> Mus musculus

<220>

<223> MOR255-7P

<400> 1285

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<210> 1286

<211> 996

<212> DNA

<213> Mus musculus

<220>

<223> MOR264-21P

<400> 1286

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<210> 1287

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<212> DNA

<213> Mus musculus

<220>

<223> MOR231-20P

<400> 1287

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<210> 1288

<211> 962

<212> DNA

<213> Mus musculus

<220>

<223>

MOR286-3P

<400> 1288

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<212> DNA

<213> Mus musculus

<220>

<223> MOR245-24P

<400> 1289

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<210> 1290

<211> 932

<212> DNA

<213> Mus musculus

<220>

<223> MOR256-53P

<400> 1290

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<210> 1291

<211> 951

<212> DNA

<213> Mus musculus

<220>

<223> MOR265-1

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<210> 1292

<211> 934

<212> DNA

<213> Mus musculus

<220>

<223> MOR150-3

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<212> DNA
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<220>
<223> MOR256-54P

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<212> DNA
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<220>
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<220>
<223> MOR15-3

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aacacctgca tctctcatct gtgtgctgtg gtccctctct tcacacccat gatctgccta 780
tccatgctgc atcgttttgg tccaaggctt ccctcacatg tctatgtgac cctggccaac 840
atgcactttc taattcctcc agtgatgaac cccatcgtct atgtggtgaa aaccaaggca 900
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<210> 1296

<211> 902

<212> DNA

<213> Mus musculus

<220>

<223> MOR184-11P

<400> 1296

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gggaatcttg ggctgggtggc cgtgatctac ttggagcctc gtctccacac acccatgtac 180
atctttctgg gcaacctggc tctgatggac tcctgctgct cctgtgccat cactcccaag 240
attctagaga acttcttttc tgtagacaga aggatttctc tctatgaatg catggcacia 300
ttctattttc tgtgtcttgc tgaaactgca gactgctttc ttctggcagc aatggcctat 360
gaccgctatg tggccatag caaccctctg cagtaccaca gcatgatgtc caagaaactc 420
tccattcaga tgagtatagg cacattcata accagtaacc tgcattcctt gattcatgta 480
gggtgtctct taaggttaac tttctgtaaa tctaacagaa ttgatcatt tcttctgtga 540
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tattttttct atgccaatc aagtcttcac cattaccact gtcttgggtc cttacttctg 660
cattcttctc actattttca agatgaaatc caaaggatgg gagaggaaaa gcattttcta 720
cctgtgcatc ccactttttt tctgtgtcaa tattctatgc ctgtcttctc atgtatatta 780
gaccatttga tgacagtaat aaagacatac cagtggccat attttataca ataataattc 840
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<210> 1297

<211> 307

<212> PRT

<213> Mus musculus

<400> 1297

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Gly Leu Glu Ala Ala His His Trp Ile Ser Ile Pro Phe Phe Ala Ile
          20           25           30
Tyr Ile Ser Val Leu Leu Gly Asn Gly Thr Leu Leu Tyr Leu Ile Lys
          35           40           45
Asp Asp His Asn Leu His Glu Pro Met Tyr Tyr Phe Leu Ala Met Leu
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50		55		60
Ala Gly Thr Asp Leu Thr Val Thr Leu Thr Thr Met Pro Thr Val Met				
65		70		75
Ala Val Leu Trp Val Asn His Arg Glu Ile Arg His Gly Ala Cys Phe				80
	85		90	95
Leu Gln Ala Tyr Ile Ile His Ser Leu Ser Ile Val Glu Ser Gly Val				
	100		105	110
Leu Leu Ala Met Ser Tyr Asp Arg Phe Val Ala Ile Cys Thr Pro Leu				
	115		120	125
His Tyr Asn Ser Ile Leu Thr Asn Ser Arg Val Ile Ala Ile Gly Leu				
	130		135	140
Gly Val Val Leu Arg Gly Phe Leu Ser Leu Val Pro Pro Ile Leu Pro				
145		150		155
Leu Phe Trp Phe Ser Tyr Cys Arg Ser His Val Leu Ser His Ala Phe				
	165		170	175
Cys Leu His Gln Asp Val Met Lys Leu Ala Cys Ala Asp Ile Thr Phe				
	180		185	190
Asn Arg Ile Tyr Pro Val Val Leu Val Ala Leu Thr Phe Phe Leu Asp				
	195		200	205
Ala Leu Ile Ile Val Phe Ser Tyr Val Leu Ile Leu Lys Thr Val Met				
	210		215	220
Gly Ile Ala Ser Gly Glu Glu Arg Ala Lys Ala Leu Asn Thr Cys Val				
225		230		235
Ser His Ile Ser Cys Val Leu Val Phe Tyr Ile Thr Val Ile Gly Leu				
	245		250	255
Thr Phe Ile His Arg Phe Gly Lys Asn Ala Pro His Val Val His Ile				
	260		265	270
Thr Met Ser Tyr Val Tyr Phe Leu Phe Pro Pro Phe Met Asn Pro Ile				
	275		280	285
Ile Tyr Ser Ile Lys Thr Lys Gln Ile Gln Arg Ser Val Leu His Leu				
	290		295	300
Leu Ser Val				
305				

<210> 1298
 <211> 315
 <212> PRT
 <213> Mus musculus

<400> 1298
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Gly Phe Pro Gly Leu Glu Lys Ala His His Leu Ile Ser Leu Pro Leu
20 25 30
Leu Met Ala Tyr Ile Ser Ile Leu Leu Gly Asn Gly Thr Leu Leu Phe
35 40 45
Leu Ile Lys Asp Asp His Asn Leu His Glu Pro Met Tyr Tyr Phe Leu
50 55 60
Gly Met Leu Ala Ala Thr Asp Leu Gly Val Thr Leu Thr Thr Met Pro
65 70 75 80
Thr Val Leu Ser Val Leu Trp Leu Asn His Arg Glu Ile Gly His Gly
85 90 95
Ala Cys Phe Ser Gln Ala Tyr Phe Ile His Thr Leu Ser Ile Val Glu
100 105 110
Ser Gly Val Leu Leu Ala Met Ala Tyr Asp Arg Phe Ile Ala Ile Arg
115 120 125
Asn Pro Leu Arg Tyr Thr Thr Ile Leu Thr Asp Thr Lys Val Ile Lys
130 135 140

Ile	Gly	Ile	Gly	Leu	Val	Met	Arg	Ala	Gly	Leu	Ser	Ile	Met	Pro	Ile
145					150					155					160
Ile	Ile	Arg	Leu	His	Trp	Phe	Pro	Tyr	Cys	Arg	Ser	His	Val	Leu	Ser
				165					170						175
His	Ala	Phe	Cys	Leu	His	Gln	Asp	Val	Ile	Lys	Leu	Ala	Cys	Ala	Asp
			180					185					190		
Ile	Thr	Phe	Asn	Arg	Leu	Tyr	Pro	Val	Val	Val	Val	Phe	Ala	Met	Val
		195					200					205			
Leu	Leu	Asp	Phe	Leu	Ile	Ile	Phe	Phe	Ser	Tyr	Val	Leu	Ile	Leu	Lys
	210					215					220				
Thr	Val	Met	Gly	Ile	Ala	Ser	Thr	Asp	Glu	Arg	Ala	Lys	Ala	Leu	Asn
225					230					235					240
Thr	Cys	Val	Ser	His	Ile	Cys	Cys	Ile	Leu	Val	Phe	Tyr	Val	Thr	Val
				245					250						255
Val	Gly	Leu	Thr	Phe	Ile	His	Arg	Phe	Gly	Lys	Asn	Val	Pro	His	Val
			260					265					270		
Val	His	Ile	Thr	Met	Ser	Tyr	Ile	Tyr	Phe	Leu	Phe	Pro	Pro	Phe	Met
		275					280					285			
Asn	Pro	Val	Ile	Tyr	Ser	Ile	Lys	Thr	Lys	Gln	Ile	Gln	Ser	Gly	Leu
	290					295					300				
Leu	Arg	Leu	Phe	Ser	Leu	Pro	Cys	Ser	Lys	Thr					
305					310					315					

<210> 1299

<211> 311

<212> PRT

<213> Mus musculus

<400> 1299

Met	Trp	Pro	Asn	Ser	Ser	Asp	Ala	Pro	Phe	Leu	Leu	Thr	Gly	Phe	Leu
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Gly	Leu	Glu	Met	Ile	His	His	Trp	Ile	Ser	Ile	Pro	Phe	Phe	Val	Ile
			20					25					30		
Tyr	Phe	Ser	Ile	Ile	Val	Gly	Asn	Gly	Thr	Leu	Leu	Phe	Ile	Ile	Trp
		35					40					45			
Ser	Asp	His	Ser	Leu	His	Glu	Pro	Met	Tyr	Tyr	Phe	Leu	Ala	Val	Leu
	50					55					60				
Ala	Ser	Met	Asp	Leu	Gly	Met	Thr	Leu	Thr	Thr	Met	Pro	Thr	Val	Leu
65					70					75					80
Gly	Val	Leu	Val	Leu	Asn	Gln	Arg	Glu	Ile	Val	His	Gly	Ala	Cys	Phe
				85					90					95	
Ile	Gln	Ser	Tyr	Phe	Ile	His	Ser	Leu	Ala	Ile	Val	Glu	Ser	Gly	Val
			100					105					110		
Leu	Leu	Ala	Met	Ser	Tyr	Asp	Arg	Phe	Val	Ala	Ile	Cys	Thr	Pro	Leu
		115					120					125			
His	Tyr	Asn	Ser	Ile	Leu	Thr	Asn	Ser	Arg	Val	Met	Lys	Met	Ala	Leu
	130					135					140				
Gly	Ala	Leu	Leu	Arg	Gly	Phe	Val	Ser	Ile	Val	Pro	Pro	Ile	Met	Pro
145					150					155					160
Leu	Phe	Trp	Phe	Pro	Tyr	Cys	His	Ser	His	Val	Leu	Ser	His	Ala	Phe
				165					170					175	
Cys	Leu	His	Gln	Asp	Val	Met	Lys	Leu	Ala	Cys	Ala	Asp	Ile	Thr	Phe
			180					185					190		
Asn	Leu	Ile	Tyr	Pro	Val	Val	Leu	Val	Ala	Leu	Thr	Phe	Phe	Leu	Asp
		195					200					205			
Ala	Leu	Ile	Ile	Ile	Phe	Ser	Tyr	Val	Leu	Ile	Leu	Lys	Lys	Val	Met
	210					215					220				
Gly	Ile	Ala	Ser	Gly	Glu	Glu	Arg	Lys	Lys	Ser	Leu	Asn	Thr	Cys	Val

<210> 1301
 <211> 314
 <212> PRT
 <213> Mus musculus

<400> 1301
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 Thr Gly Leu Pro Gly Met Glu Thr Ser Gln His Trp Leu Phe Leu Leu
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 Leu Gly Val Leu Tyr Ser Val Ser Ile Val Gly Asn Ala Leu Ile Leu
 35 40 45
 Phe Ile Ile Lys Glu Glu Glu Ser Leu His Gln Pro Met Tyr Tyr Phe
 50 55 60
 Leu Ser Leu Leu Ser Gly Asn Asp Leu Gly Val Ser Phe Ser Thr Leu
 65 70 75 80
 Pro Thr Val Leu Gly Val Phe Cys Phe His Leu Arg Glu Ile Ser Phe
 85 90 95
 Asn Ser Cys Met Ser Gln Met Phe Phe Ile His Leu Phe Ser Phe Met
 100 105 110
 Glu Ser Gly Ile Leu Leu Ala Met Ser Phe Asp Arg Tyr Val Ala Ile
 115 120 125
 Cys Asn Pro Leu Arg Tyr Ser Thr Val Leu Thr Asp Ala Arg Val Met
 130 135 140
 Trp Met Gly Val Cys Val Phe Leu Arg Ser Phe Cys Met Ile Phe Pro
 145 150 155 160
 Leu Pro Phe Leu Leu Lys Arg Leu Pro Phe Cys Lys Ala Asn Val Leu
 165 170 175
 Ser His Ala Tyr Cys Leu His Pro Asp Leu Ile Arg Leu Pro Cys Gly
 180 185 190
 Asp Thr Ser Ile Asn Asn Ile Phe Gly Leu Ser Ile Val Ile Ser Thr
 195 200 205
 Phe Gly Leu Asp Ser Ala Leu Ile Phe Leu Ser Tyr Val Leu Ile Leu
 210 215 220
 Arg Ser Val Leu Ala Ile Ala Ser Arg Glu Glu Arg Met Lys Thr Leu
 225 230 235 240
 Asn Thr Cys Val Ser His Leu Cys Ala Val Leu Ile Phe Tyr Val Pro
 245 250 255
 Lys Val Gly Val Ser Met Phe Ala Arg Tyr Gly Arg His Ala Pro His
 260 265 270
 Tyr Val His Thr Leu Leu Ser Leu Ile Tyr Leu Phe Val Pro Pro Met
 275 280 285
 Leu Asn Pro Val Ile Tyr Ser Ile Lys Thr Lys Glu Ile Arg Arg Arg
 290 295 300
 Phe Cys Lys Ile Leu Leu Gly Asn Lys Phe
 305 310

<210> 1302
 <211> 321
 <212> PRT
 <213> Mus musculus

<400> 1302
 Met Leu Arg Pro Ser Ser Met Ser Glu Val Thr Asn Thr Thr His Gly
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 Pro Phe Tyr Phe Ile Leu Thr Gly Ile Pro Gly Phe Glu Asp Ile His

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			100					105					110		
Phe	Met	Glu	Ser	Ala	Val	Leu	Phe	Ala	Met	Ala	Leu	Asp	Arg	Leu	Ile
	115						120					125			
Ala	Ile	Arg	Phe	Pro	Leu	Arg	Tyr	Ala	Ser	Val	Leu	Thr	Gly	Pro	Arg
	130					135					140				
Val	Ala	Leu	Ile	Gly	Thr	Val	Leu	Gly	Met	Arg	Ser	Ala	Ala	Ile	Thr
145					150					155					160
Ala	Ala	Pro	Ser	Leu	His	Leu	Leu	Thr	Phe	Asp	Tyr	Cys	His	Pro	Gly
				165					170					175	
Ala	Leu	Ser	His	Ala	Tyr	Cys	Leu	His	Gln	Asp	Met	Ile	Arg	Leu	Ala
			180					185					190		
Cys	Ser	Asp	Thr	Arg	Phe	Asn	Arg	Leu	Tyr	Gly	Leu	Cys	Ile	Ile	Met
		195				200						205			
Leu	Ala	Met	Gly	Ser	Asp	Val	Leu	Phe	Ile	Leu	Leu	Ser	Tyr	Ala	Val
	210					215					220				
Ile	Leu	Arg	Thr	Val	Leu	Ala	Ile	Ala	Ser	Ala	Gly	Glu	Arg	Leu	Lys
225					230					235					240
Ala	Leu	Asn	Thr	Cys	Val	Ser	His	Ile	Leu	Ala	Val	Leu	Cys	Phe	Tyr
				245					250					255	
Val	Pro	Val	Leu	Gly	Leu	Ser	Ile	Val	His	Arg	Phe	Gly	Gln	His	Thr
			260					265					270		
Ser	Pro	Leu	Val	His	Ile	Leu	Met	Gly	Thr	Val	Ser	Val	Leu	Phe	Pro
		275					280					285			
Pro	Val	Met	Asn	Pro	Val	Ile	Tyr	Ser	Ile	Lys	Thr	Gln	Gln	Ile	Arg
	290					295					300				
Arg	Ala	Ile	Val	Lys	Val	Ile	Ser	Leu	Gly	Lys	Ile	Gln			
305					310					315					

<210> 1304

<211> 321

<212> PRT

<213> Mus musculus

<400> 1304

Met	Leu	His	Pro	Ser	Ser	Met	Ser	Glu	Val	Thr	Asn	Thr	Thr	His	Asp
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Pro	Phe	Tyr	Phe	Ile	Leu	Thr	Gly	Ile	Pro	Gly	Phe	Glu	Asp	Ile	His
			20					25					30		
Leu	Trp	Ile	Ser	Ile	Pro	Leu	Phe	Cys	Leu	Tyr	Thr	Ile	Ser	Ile	Met
	35						40					45			
Gly	Asn	Thr	Thr	Ile	Leu	Thr	Val	Ile	Arg	Thr	Glu	Pro	Ser	Leu	His
	50					55					60				
Gln	Pro	Met	Tyr	Leu	Phe	Leu	Ser	Met	Leu	Ala	Leu	Thr	Asp	Leu	Gly
65					70					75					80
Leu	Thr	Leu	Thr	Thr	Leu	Pro	Thr	Val	Met	Gln	Leu	Leu	Trp	Phe	Asn
				85					90					95	
Ile	Arg	Glu	Ile	Ser	Phe	Glu	Ala	Cys	Phe	Ala	Gln	Phe	Phe	Phe	Leu
			100					105					110		
His	Gly	Phe	Ser	Phe	Met	Glu	Ser	Ser	Val	Leu	Leu	Ala	Met	Ser	Phe
	115						120					125			
Asp	Arg	Tyr	Val	Ala	Ile	Cys	Arg	Pro	Leu	His	Tyr	Ala	Ser	Ile	Leu
	130					135					140				
Thr	Ser	Glu	Val	Ile	Ala	Arg	Ile	Gly	Leu	Ala	Ile	Ile	Cys	Arg	Cys
145					150					155					160
Val	Leu	Ala	Val	Leu	Pro	Ser	Leu	Phe	Leu	Leu	Lys	Arg	Leu	Pro	Phe
				165					170					175	
Cys	His	Ser	His	Leu	Ile	Ser	His	Ser	Tyr	Cys	Leu	His	Gln	Asp	Met

Ile	His	Leu	Val	Cys	Ala	Asp	Ile	Arg	Val	Asn	Ser	Trp	Tyr	Gly	Phe
		180					185						190		
Ala	Leu	Val	Leu	Leu	Ile	Ile	Val	Leu	Asp	Pro	Leu	Leu	Ile	Val	Leu
		195					200					205			
Ser	Tyr	Ala	Leu	Ile	Leu	Lys	Ser	Val	Leu	Asn	Thr	Ala	Thr	Trp	Thr
		210					215					220			
Glu	Arg	Leu	Arg	Ala	Leu	Asn	Asn	Cys	Leu	Ser	His	Met	Leu	Ala	Val
				245					250					255	
Leu	Val	Leu	Tyr	Val	Pro	Met	Val	Gly	Val	Ser	Met	Thr	His	Arg	Phe
			260					265					270		
Ala	Lys	His	Ala	Ser	Pro	Leu	Val	His	Val	Leu	Met	Ala	Asn	Ile	Tyr
		275					280					285			
Leu	Leu	Ala	Pro	Pro	Val	Met	Asn	Pro	Ile	Ile	Tyr	Ser	Val	Lys	Thr
		290					295				300				
Lys	Gln	Ile	Arg	Gln	Gly	Ile	Thr	Arg	Leu	Leu	Leu	Gln	Arg	Lys	Val
					310					315					320
His															

<210> 1305

<211> 326

<212> PRT

<213> Mus musculus

<400> 1305

Met	Lys	Val	Ala	Ser	Ser	Phe	His	Asn	Asp	Thr	Asn	Pro	Gln	Asp	Val
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Trp	Tyr	Val	Leu	Ile	Gly	Ile	Pro	Gly	Leu	Glu	Asp	Leu	His	Ser	Trp
			20					25					30		
Ile	Ala	Ile	Pro	Ile	Cys	Ser	Met	Tyr	Ile	Val	Ala	Val	Ile	Gly	Asn
			35				40					45			
Val	Leu	Leu	Ile	Phe	Leu	Ile	Val	Thr	Glu	Arg	Ser	Leu	His	Glu	Pro
			50			55					60				
Met	Tyr	Phe	Phe	Leu	Ser	Met	Leu	Ala	Leu	Ala	Asp	Leu	Leu	Leu	Ser
					70					75					80
Thr	Ala	Thr	Ala	Pro	Lys	Met	Leu	Ala	Ile	Phe	Trp	Phe	His	Ser	Arg
				85					90					95	
Gly	Ile	Ser	Phe	Gly	Ser	Cys	Val	Ser	Gln	Met	Phe	Phe	Ile	His	Phe
			100					105					110		
Ile	Phe	Val	Ala	Glu	Ser	Ala	Ile	Leu	Leu	Ala	Met	Ala	Phe	Asp	Arg
			115				120					125			
Tyr	Val	Ala	Ile	Cys	Tyr	Pro	Leu	Arg	Tyr	Thr	Thr	Ile	Leu	Thr	Ser
						135					140				
Ser	Val	Ile	Gly	Lys	Ile	Gly	Thr	Ala	Ala	Val	Val	Arg	Ser	Phe	Leu
					150					155					160
Ile	Cys	Phe	Pro	Phe	Ile	Phe	Leu	Val	Tyr	Arg	Leu	Leu	Tyr	Cys	Gly
				165					170					175	
Lys	His	Ile	Ile	Pro	His	Ser	Tyr	Cys	Glu	His	Met	Gly	Ile	Ala	Arg
			180					185					190		
Leu	Ala	Cys	Asp	Asn	Ile	Thr	Val	Asn	Ile	Ile	Tyr	Gly	Leu	Thr	Met
			195				200					205			
Ala	Leu	Leu	Ser	Thr	Gly	Leu	Asp	Ile	Leu	Leu	Ile	Ile	Ile	Ser	Tyr
			210				215				220				
Thr	Met	Ile	Leu	Arg	Thr	Val	Phe	Gln	Ile	Pro	Ser	Trp	Ala	Ala	Arg
					230					235					240
Tyr	Lys	Ala	Leu	Asn	Thr	Cys	Gly	Ser	His	Ile	Cys	Val	Ile	Leu	Leu
				245					250					255	

Phe	Tyr	Thr	Pro	Ala	Phe	Phe	Ser	Phe	Phe	Ala	His	Arg	Phe	Gly	Gly
			260					265					270		
Lys	Thr	Val	Pro	Arg	His	Ile	His	Ile	Leu	Val	Ala	Asn	Leu	Tyr	Val
		275					280					285			
Val	Val	Pro	Pro	Met	Leu	Asn	Pro	Ile	Ile	Tyr	Gly	Val	Lys	Thr	Lys
	290					295					300				
Gln	Ile	Gln	Asp	Arg	Val	Val	Phe	Leu	Phe	Ser	Ser	Val	Ser	Thr	Cys
305					310					315					320
Gln	His	Asp	Ser	Arg	Cys										
				325											

<210> 1306

<211> 315

<212> PRT

<213> Mus musculus

<400> 1306

Met	Leu	Gly	Thr	Asn	Phe	Thr	Ile	Ile	His	Pro	Thr	Val	Phe	Ile	Leu
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Leu	Gly	Ile	Pro	Gly	Leu	Glu	Gln	Tyr	His	Thr	Trp	Leu	Ser	Ile	Pro
			20					25					30		
Phe	Cys	Leu	Met	Tyr	Ile	Ala	Ala	Val	Leu	Gly	Asn	Gly	Ala	Leu	Ile
		35					40					45			
Leu	Val	Val	Leu	Ser	Glu	Arg	Thr	Leu	His	Glu	Pro	Met	Tyr	Val	Phe
	50					55					60				
Leu	Ser	Met	Leu	Ala	Gly	Thr	Asp	Ile	Leu	Leu	Ser	Thr	Thr	Thr	Val
65					70					75					80
Pro	Lys	Thr	Leu	Ala	Ile	Phe	Trp	Phe	His	Ala	Gly	Glu	Ile	Pro	Phe
				85					90					95	
Asp	Ala	Cys	Ile	Ala	Gln	Met	Phe	Phe	Ile	His	Val	Ala	Phe	Val	Ala
			100					105					110		
Glu	Ser	Gly	Ile	Leu	Leu	Ala	Met	Ala	Phe	Asp	Arg	Tyr	Val	Ala	Ile
		115					120					125			
Cys	Thr	Pro	Leu	Arg	Tyr	Ser	Ala	Val	Leu	Thr	Pro	Met	Ala	Ile	Gly
	130					135					140				
Lys	Met	Thr	Leu	Ala	Ile	Trp	Gly	Arg	Ser	Ile	Gly	Thr	Ile	Phe	Pro
145					150					155					160
Ile	Ile	Phe	Leu	Leu	Lys	Arg	Leu	Ser	Tyr	Cys	Arg	Thr	Asn	Val	Ile
			165						170					175	
Pro	His	Ser	Tyr	Cys	Glu	His	Ile	Gly	Val	Ala	Arg	Leu	Ala	Cys	Ala
			180					185					190		
Asp	Ile	Thr	Val	Asn	Ile	Trp	Tyr	Gly	Phe	Ser	Val	Pro	Met	Ala	Ser
	195						200					205			
Val	Leu	Val	Asp	Val	Ala	Leu	Ile	Gly	Ile	Ser	Tyr	Thr	Leu	Ile	Leu
	210					215					220				
Gln	Ala	Val	Phe	Arg	Leu	Pro	Ser	Gln	Asp	Ala	Arg	His	Lys	Ala	Leu
225					230					235					240
Asn	Thr	Cys	Gly	Ser	His	Ile	Gly	Val	Ile	Leu	Leu	Phe	Phe	Ile	Pro
			245						250					255	
Ser	Phe	Phe	Thr	Phe	Leu	Thr	His	Arg	Phe	Gly	Lys	Asn	Ile	Pro	His
			260					265					270		
His	Val	His	Ile	Leu	Leu	Ala	Asn	Leu	Tyr	Val	Leu	Val	Pro	Pro	Met
		275					280					285			
Leu	Asn	Pro	Ile	Ile	Tyr	Gly	Ala	Lys	Thr	Lys	Gln	Ile	Arg	Asp	Ser
	290					295					300				
Met	Thr	Arg	Met	Leu	Ser	Val	Val	Trp	Lys	Ser					
305					310					315					

<210> 1307
 <211> 313
 <212> PRT
 <213> Mus musculus

<400> 1307
 Met Ala Ile Leu Tyr Asn Ser Ser Leu Gln Lys Ala Thr Phe Phe Leu
 1 5 10 15
 Thr Gly Phe Gln Gly Leu Glu Glu Phe His Gly Trp Ile Ser Ile Pro
 20 25 30
 Phe Cys Ser Ile Tyr Leu Ile Val Ile Leu Gly Asn Leu Thr Ile Leu
 35 40 45
 His Val Ile Arg Thr Asp Ala Thr Leu His Glu Pro Met Tyr Tyr Phe
 50 55 60
 Leu Ala Met Leu Ala Leu Thr Asp Leu Gly Leu Cys Leu Ser Thr Leu
 65 70 75 80
 Pro Thr Val Leu Gly Ile Phe Trp Phe Asp Ala Arg Glu Ile Gly Ile
 85 90 95
 Pro Ala Cys Phe Thr Gln Leu Phe Phe Ile His Thr Leu Ser Leu Val
 100 105 110
 Glu Ser Ser Val Leu Leu Ser Met Ser Phe Asp Arg Tyr Val Ala Ile
 115 120 125
 Cys Asn Pro Leu Arg Tyr Ser Thr Ile Leu Thr Pro Arg Arg Ile Val
 130 135 140
 Lys Met Gly Leu Ser Ser Val Leu Arg Ser Ala Leu Leu Ile Leu Pro
 145 150 155 160
 Leu Pro Phe Leu Leu Lys Arg Phe His Tyr Cys Arg Ser His Val Leu
 165 170 175
 Ala His Ala Tyr Cys Leu His Leu Glu Ile Met Lys Leu Ala Cys Ser
 180 185 190
 Ser Ile Ile Val Asn His Ile Tyr Gly Leu Phe Val Val Ala Cys Thr
 195 200 205
 Val Gly Val Asp Ser Leu Leu Ile Phe Leu Ser Tyr Thr Leu Ile Leu
 210 215 220
 His Ala Val Leu Gly Lys Ala Ser Arg Gln Glu Arg Leu Arg Ala Leu
 225 230 235 240
 Asn Thr Cys Ile Ser His Ile Cys Ala Val Leu Leu Phe Tyr Ile Pro
 245 250 255
 Met Ile Gly Leu Ser Leu Val His Arg Phe Gly Glu His Leu Pro Arg
 260 265 270
 Ile Val His Leu Leu Met Ser Tyr Val Tyr Leu Leu Val Pro Pro Leu
 275 280 285
 Met Asn Pro Ile Val Tyr Ser Ile Lys Thr Lys Gln Ile Arg Gln Arg
 290 295 300
 Ile Ile Lys Lys Phe Glu Phe Ile Lys
 305 310

<210> 1308
 <211> 318
 <212> PRT
 <213> Mus musculus

<400> 1308
 Met Leu Val Lys Ser Ser Ile Met Ser Val Leu Asn Ser Ser Glu Ile
 1 5 10 15
 Glu Ile Thr Thr Phe Phe Leu Ile Gly Ile Pro Gly Leu Glu Tyr Ala
 20 25 30

His	Ala	Trp	Ile	Ser	Ile	Pro	Ile	Cys	Leu	Met	Tyr	Leu	Val	Ala	Ile
	35						40					45			
Leu	Gly	Asn	Cys	Thr	Ile	Leu	Phe	Val	Ile	Arg	Thr	Glu	Pro	Ser	Leu
	50					55				60					
His	Ala	Pro	Met	Tyr	Tyr	Phe	Leu	Ser	Met	Leu	Ala	Ile	Ser	Asp	Leu
65					70					75					80
Gly	Leu	Ser	Leu	Ser	Ser	Leu	Pro	Thr	Met	Leu	Arg	Ile	Phe	Val	Phe
				85					90					95	
Asn	Ala	Thr	Gly	Ile	Ser	Pro	Asn	Ala	Cys	Phe	Ala	Gln	Glu	Phe	Phe
			100					105					110		
Ile	His	Gly	Phe	Thr	Asp	Met	Glu	Ser	Ser	Val	Leu	Leu	Ile	Met	Ser
		115					120					125			
Phe	Asp	Arg	Phe	Leu	Ala	Ile	Arg	Asn	Pro	Leu	Arg	Tyr	Ser	Ser	Ile
	130					135					140				
Leu	Thr	Ser	Ala	Arg	Val	Ala	Lys	Met	Gly	Leu	Val	Phe	Leu	Ile	Lys
145					150					155					160
Ser	Met	Leu	Leu	Val	Leu	Pro	Phe	Pro	Phe	Thr	Leu	Lys	Arg	Leu	Ala
				165					170					175	
Tyr	Cys	Gln	Lys	Ser	Leu	Leu	Ser	His	Ser	Tyr	Cys	Leu	His	Gln	Asp
			180					185					190		
Val	Met	Lys	Leu	Ala	Cys	Ser	Asp	Asn	Thr	Val	Asn	Phe	Phe	Tyr	Gly
		195					200					205			
Phe	Phe	Val	Ala	Leu	Cys	Met	Met	Ser	Asp	Ser	Met	Phe	Ile	Ala	Val
	210					215					220				
Ser	Tyr	Ile	Phe	Ile	Leu	Lys	Thr	Val	Met	Gly	Ile	Gly	Ser	His	Lys
225					230					235					240
Glu	Arg	Leu	Lys	Ala	Leu	Asn	Thr	Cys	Val	Ser	His	Ile	Cys	Ala	Val
				245					250					255	
Leu	Ile	Phe	Tyr	Val	Pro	Ile	Ile	Ala	Leu	Ala	Ser	Met	His	Arg	Phe
			260					265					270		
Gly	Lys	His	Lys	Ser	Pro	Met	Ala	Met	Ile	Leu	Ile	Ala	Asp	Ile	Phe
		275					280					285			
Leu	Leu	Val	Pro	Pro	Leu	Met	Asn	Pro	Ile	Val	Tyr	Cys	Val	Lys	Thr
	290					295					300				
Arg	Gln	Ile	Arg	Glu	Lys	Val	Leu	Gly	Lys	Leu	Gly	Leu	Lys		
305					310					315					

<210> 1309

<211> 314

<212> PRT

<213> Mus musculus

<400> 1309

Met	Pro	Thr	Phe	Gln	Asn	Thr	Thr	Ala	Ser	Ser	Ile	Ile	Phe	Leu	Leu
1				5					10					15	
Thr	Gly	Val	Pro	Gly	Leu	Glu	Ala	Phe	His	Thr	Trp	Ile	Ser	Ile	Pro
			20					25					30		
Phe	Cys	Phe	Leu	Tyr	Ala	Thr	Ala	Leu	Ser	Gly	Asn	Ser	Leu	Ile	Leu
		35					40				45				
Phe	Val	Ile	Ile	Thr	Gln	Pro	Ser	Leu	His	Glu	Pro	Met	Tyr	Tyr	Phe
	50					55				60					
Leu	Ser	Met	Leu	Ser	Thr	Thr	Asp	Leu	Gly	Leu	Ser	Ile	Ser	Thr	Leu
65					70					75					80
Ala	Thr	Met	Leu	Gly	Ile	Phe	Trp	Phe	Asn	Ala	Arg	Glu	Ile	Ser	Phe
				85					90					95	
Asn	Ala	Cys	Leu	Ser	Leu	Met	Phe	Phe	Ile	Lys	Leu	Phe	Thr	Val	Met
			100					105					110		
Glu	Ser	Ser	Val	Leu	Leu	Ala	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile

	115		120		125										
Ser	Asn	Pro	Leu	Arg	Tyr	Ala	Thr	Ile	Leu	Thr	Asp	Ser	Arg	Ile	Ala
	130					135					140				
Gln	Ile	Gly	Val	Thr	Ile	Val	Ile	Arg	Gly	Thr	Val	Met	Leu	Thr	Pro
145					150					155					160
Met	Val	Ala	Leu	Leu	Lys	Arg	Leu	Thr	Phe	Cys	Ser	Ser	Arg	Val	Leu
			165						170					175	
His	His	Ser	Tyr	Cys	Phe	His	Pro	Asp	Val	Met	Lys	Leu	Ser	Cys	Thr
			180					185					190		
Asp	Thr	Arg	Ile	Asn	Asn	Ala	Val	Gly	Leu	Thr	Ala	Met	Ile	Ser	Thr
		195					200					205			
Val	Gly	Val	Asp	Ser	Val	Leu	Ile	Leu	Leu	Ser	Tyr	Ile	Leu	Ile	Ile
	210					215					220				
Arg	Thr	Val	Leu	Ser	Ile	Ala	Ser	Pro	Glu	Glu	Arg	Lys	Lys	Ala	Phe
225					230					235					240
Ser	Thr	Cys	Ile	Ser	His	Ile	Gly	Ala	Val	Ala	Ile	Phe	Tyr	Ile	Pro
				245					250					255	
Leu	Ile	Ser	Leu	Ser	Phe	Val	His	Arg	Phe	Gly	Lys	Arg	Ala	Pro	Pro
			260					265					270		
Tyr	Val	His	Thr	Met	Ile	Ala	Asn	Thr	Tyr	Leu	Leu	Ile	Pro	Pro	Val
		275					280					285			
Met	Asn	Pro	Ile	Ile	Tyr	Ser	Val	Lys	Thr	Lys	Gln	Ile	Arg	Lys	Ala
	290					295					300				
Val	Ile	Lys	Val	Phe	Gln	Ser	Lys	Glu	Ile						
305					310										

<210> 1310

<211> 318

<212> PRT

<213> Mus musculus

<400> 1310

Met	Ile	Pro	Ser	Gly	Pro	Phe	Ile	Asn	Ile	Ser	Phe	Phe	Gln	Pro	Gln
1				5					10				15		
Ser	Phe	Leu	Met	Ile	Gly	Ile	Pro	Gly	Leu	Glu	Phe	Ala	His	Gly	Trp
			20					25					30		
Ile	Ser	Ile	Pro	Phe	Ser	Phe	Met	Tyr	Thr	Val	Ala	Leu	Thr	Gly	Asn
		35					40					45			
Cys	Leu	Ile	Leu	Leu	Ala	Val	Arg	Arg	Thr	His	Ser	Leu	His	Gln	Pro
	50					55					60				
Met	Tyr	Tyr	Phe	Leu	Ser	Met	Leu	Ala	Leu	Ser	Asp	Val	Gly	Leu	Ser
65					70					75					80
Leu	Ser	Thr	Leu	Pro	Ser	Thr	Leu	Ala	Val	Leu	Trp	Phe	Asp	Tyr	Arg
				85					90					95	
Ser	Ile	Asp	Phe	Asn	Ala	Cys	Leu	Val	Gln	Met	Phe	Phe	Leu	His	Ser
			100					105					110		
Phe	Ser	Val	Val	Glu	Ser	Ser	Val	Leu	Leu	Ala	Met	Ser	Phe	Asp	Arg
		115					120					125			
Phe	Val	Ala	Ile	Ser	Asn	Pro	Leu	Arg	Tyr	Ala	Ser	Val	Leu	Thr	Asn
		130				135					140				
Asn	Val	Ile	Ile	Arg	Ile	Gly	Val	Ala	Ile	Val	Ala	Arg	Ala	Thr	Leu
145					150					155					160
Ser	Leu	Phe	Pro	Val	Pro	Phe	Leu	Leu	Lys	Arg	Leu	Asn	Tyr	Cys	Pro
				165					170					175	
Gly	Lys	Ile	Leu	Ser	His	Ser	Phe	Cys	Phe	His	Ala	Asp	Val	Met	
			180				185					190			
Lys	Leu	Ala	Cys	Ala	Asp	Ile	Thr	Val	Asn	Ile	Leu	Tyr	Gly	Leu	Tyr
		195					200					205			

Val	Val	Leu	Ser	Thr	Val	Gly	Val	Asp	Ser	Leu	Leu	Ile	Val	Met	Ser
	210					215					220				
Tyr	Ser	Leu	Ile	Leu	His	Thr	Val	Met	Gly	Leu	Ala	Ser	Pro	Arg	Glu
225					230					235					240
Arg	Val	Arg	Thr	Leu	Asn	Thr	Cys	Val	Ser	His	Ile	Leu	Ala	Val	Leu
				245					250					255	
Val	Phe	Tyr	Ile	Pro	Val	Ile	Gly	Val	Ser	Met	Ile	His	Arg	Phe	Gly
			260					265					270		
Lys	His	Leu	Pro	His	Ile	Val	His	Ala	Leu	Val	Ala	Tyr	Val	Tyr	Leu
		275					280					285			
Val	Val	Pro	Pro	Val	Leu	Asn	Pro	Ile	Ile	Tyr	Ser	Val	Lys	Ser	Lys
	290					295					300				
Pro	Ile	Arg	Gly	Ala	Met	Phe	Lys	Val	Leu	Arg	Gly	Lys	Asp		
305					310					315					

<210> 1311

<211> 317

<212> PRT

<213> Mus musculus

<400> 1311

Met	His	Thr	Gly	Met	Ser	Ile	Phe	Asn	Leu	Ser	Val	Thr	Glu	Val	Ser
1				5					10					15	
Thr	Phe	His	Leu	Val	Gly	Phe	Pro	Gly	Met	Glu	Ser	Ala	His	Ile	Trp
			20					25					30		
Ile	Phe	Ile	Pro	Ile	Cys	Leu	Leu	Tyr	Thr	Val	Ala	Ile	Leu	Gly	Asn
		35				40					45				
Cys	Thr	Ile	Leu	Phe	Phe	Ile	Lys	Ser	Glu	Pro	Ser	Leu	His	Glu	Pro
50					55					60					
Met	Tyr	Tyr	Phe	Leu	Ser	Met	Leu	Ala	Leu	Ser	Asp	Leu	Gly	Leu	Ser
65					70					75					80
Ile	Ser	Ser	Leu	Pro	Thr	Met	Leu	Lys	Val	Phe	Leu	Phe	Asn	Ser	Pro
				85					90					95	
Asp	Ile	Ser	Pro	Asn	Glu	Cys	Phe	Ala	Gln	Glu	Phe	Phe	Ile	His	Glu
			100					105					110		
Phe	Ser	Ala	Met	Glu	Ser	Ser	Val	Leu	Leu	Ile	Met	Ser	Phe	Asp	Arg
		115					120					125			
Tyr	Ile	Ala	Ile	Cys	Asn	Pro	Leu	Arg	Tyr	Thr	Ser	Ile	Leu	Thr	Ser
	130					135					140				
Ala	Arg	Val	Leu	Gln	Ile	Gly	Leu	Ala	Phe	Ser	Leu	Lys	Asn	Val	Leu
145					150					155					160
Leu	Ile	Leu	Pro	Phe	Pro	Val	Thr	Leu	Val	Arg	Leu	Arg	Tyr	Cys	Lys
				165					170					175	
Lys	Asn	Leu	Leu	Ser	His	Ser	Tyr	Cys	Leu	His	Gln	Asp	Val	Met	Lys
		180						185					190		
Leu	Ala	Cys	Ser	Asp	Asn	Lys	Phe	Asn	Val	Ile	Tyr	Gly	Leu	Phe	Val
		195					200					205			
Ala	Leu	Thr	Gly	Ile	Leu	Asp	Ile	Thr	Phe	Ile	Phe	Met	Ser	Tyr	Ala
	210					215					220				
Leu	Ile	Leu	Arg	Ala	Val	Leu	Gly	Ile	Ala	Ser	Gln	Arg	Glu	Arg	Leu
225					230					235					240
Lys	Val	Leu	Ser	Thr	Cys	Val	Ser	His	Ile	Cys	Ala	Val	Leu	Ile	Phe
				245					250					255	
Tyr	Val	Pro	Val	Ile	Ser	Leu	Ala	Val	Ile	Tyr	Arg	Leu	Ala	Ser	Arg
		260						265					270		
Ser	Ser	Pro	Ile	Ser	Lys	Ile	Leu	Met	Ala	Asp	Ile	Phe	Leu	Leu	Val
		275					280					285			
Pro	Pro	Val	Met	Asn	Pro	Ile	Ile	Tyr	Cys	Val	Lys	Ser	Gln	Gln	Ile

290		295		300
Arg	Asn	Val	Ile	Leu
Glu	Lys	Leu	Cys	Gln
Lys	Gln	Ser		
305		310		315

<210> 1312
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 <212> PRT
 <213> Mus musculus

<400> 1312

Met	Ile	Leu	Asn	Thr	Ser	Glu	Val	Glu	Ile	Ser	Ser	Phe	Leu	Leu	Ile
1			5					10					15		
Gly	Ile	Pro	Gly	Phe	Glu	His	Met	His	Ile	Trp	Ile	Ser	Ile	Pro	Ile
		20					25					30			
Cys	Leu	Met	Tyr	Leu	Thr	Ala	Ile	Leu	Gly	Asn	Cys	Thr	Ile	Leu	Cys
	35					40					45				
Val	Ile	Arg	Thr	Glu	Pro	Ser	Leu	His	Glu	Pro	Met	Tyr	Tyr	Phe	Leu
	50				55					60					
Ser	Met	Leu	Ala	Phe	Ser	Asp	Leu	Gly	Leu	Ser	Phe	Ser	Ser	Ile	Pro
65					70				75					80	
Thr	Met	Leu	Arg	Ile	Phe	Leu	Phe	Asn	Ala	Met	Gly	Ile	Ser	Thr	Asp
			85					90						95	
Ala	Cys	Ile	Ala	Gln	Glu	Phe	Phe	Ile	His	Gly	Phe	Thr	Asp	Met	Glu
		100					105					110			
Ser	Ser	Val	Leu	Leu	Ile	Met	Ser	Phe	Asp	Arg	Phe	Val	Ala	Ile	Arg
	115					120					125				
His	Pro	Leu	Arg	Tyr	Ser	Ala	Ile	Leu	Thr	Ser	Ser	Arg	Val	Val	Gln
	130				135					140					
Ile	Gly	Leu	Ala	Phe	Ser	Val	Lys	Ser	Ile	Leu	Leu	Val	Leu	Pro	Leu
145					150				155					160	
Pro	Phe	Thr	Leu	Lys	Arg	Leu	Arg	Tyr	Cys	Asn	Lys	Arg	Leu	Leu	Ser
			165					170					175		
His	Ser	Tyr	Cys	Leu	His	Gln	Asp	Val	Met	Lys	Leu	Ala	Cys	Ser	Asp
		180				185						190			
Asn	Arg	Val	Asn	Phe	Tyr	Tyr	Gly	Leu	Phe	Val	Ala	Leu	Cys	Met	Met
	195					200					205				
Ser	Asp	Ser	Val	Phe	Ile	Ala	Val	Ser	Tyr	Val	Phe	Ile	Leu	Lys	Thr
	210				215					220					
Val	Leu	Gly	Ile	Ala	Ser	His	Gly	Glu	Arg	Leu	Lys	Ala	Leu	Asn	Thr
225					230				235					240	
Cys	Val	Ser	His	Ile	Cys	Ala	Val	Leu	Ile	Phe	Tyr	Val	Pro	Ile	Ile
			245					250					255		
Thr	Leu	Ala	Thr	Met	His	Arg	Phe	Ala	Lys	His	Lys	Ser	Pro	Leu	Ala
		260					265						270		
Met	Ile	Leu	Ile	Ala	Asp	Ala	Phe	Leu	Leu	Val	Pro	Pro	Leu	Met	Asn
	275					280					285				
Pro	Ile	Val	Tyr	Cys	Val	Lys	Thr	Arg	Gln	Ile	Arg	Val	Lys	Val	Leu
	290				295						300				
Glu	Lys	Leu	Gly	Leu	His	Ser	Lys								
305					310										

<210> 1313
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 <212> PRT
 <213> Mus musculus

<400> 1313

Met	Thr	Pro	Gly	Pro	Leu	Gly	Asn	Gly	Ser	Met	Ser	Ser	Thr	Phe	Leu
1				5				10						15	
Leu	Ser	Gly	Ile	Pro	Gly	Leu	Glu	His	Met	His	Ile	Trp	Ile	Ser	Leu
		20					25						30		
Pro	Leu	Cys	Leu	Met	Tyr	Leu	Val	Ser	Ile	Leu	Gly	Asn	Cys	Thr	Ile
		35					40					45			
Leu	Phe	Ile	Ile	Lys	Thr	Glu	Pro	Ser	Leu	His	Glu	Pro	Met	Tyr	Leu
	50					55					60				
Phe	Leu	Ser	Met	Leu	Ala	Leu	Thr	Asp	Leu	Gly	Leu	Ser	Leu	Cys	Thr
65					70					75					80
Leu	Pro	Thr	Val	Leu	Gly	Ile	Phe	Trp	Val	Gly	Ala	Arg	Asp	Ile	Ser
				85					90					95	
His	Asp	Ala	Cys	Phe	Thr	Gln	Leu	Phe	Phe	Ile	His	Cys	Leu	Ser	Phe
			100					105					110		
Leu	Glu	Ser	Ser	Val	Leu	Leu	Ser	Met	Ala	Phe	Asp	Arg	Phe	Val	Ala
		115					120					125			
Ile	Cys	Arg	Pro	Leu	His	Tyr	Ala	Ser	Ile	Leu	Thr	His	Thr	Val	Ile
	130					135						140			
Val	Arg	Ile	Gly	Leu	Ala	Ser	Leu	Gly	Arg	Ser	Val	Ala	Leu	Ile	Phe
145					150					155					160
Pro	Leu	Pro	Phe	Met	Leu	Lys	Arg	Phe	Pro	Tyr	Cys	Gly	Ser	Leu	Val
				165					170					175	
Leu	Ser	His	Ser	Tyr	Cys	Leu	His	Gln	Glu	Val	Met	Lys	Leu	Ala	Cys
			180					185					190		
Ala	Asp	Ile	Lys	Ala	Asn	Ser	Ile	Tyr	Gly	Met	Phe	Val	Ile	Val	Ser
		195					200					205			
Thr	Val	Gly	Val	Asp	Ser	Leu	Leu	Ile	Leu	Phe	Ser	Tyr	Ala	Leu	Ile
	210					215						220			
Leu	Arg	Thr	Val	Leu	Ser	Ile	Ala	Ser	Arg	Ala	Glu	Arg	Leu	Lys	Ala
225					230					235					240
Leu	Asn	Thr	Cys	Val	Ser	His	Ile	Ser	Ala	Val	Leu	Leu	Phe	Tyr	Thr
				245					250					255	
Pro	Met	Ile	Gly	Leu	Ser	Val	Ile	His	Arg	Phe	Gly	Lys	Gln	Ala	Pro
			260					265					270		
His	Leu	Val	Gln	Val	Val	Met	Gly	Phe	Val	Tyr	Leu	Leu	Phe	Pro	Pro
		275					280					285			
Val	Met	Asn	Pro	Ile	Val	Tyr	Ser	Val	Lys	Thr	Lys	Gln	Ile	Arg	Asp
	290					295					300				
Arg	Val	Ala	His	Ala	Phe	Cys	Asn								
305					310										

<210> 1314

<211> 311

<212> PRT

<213> Mus musculus

<400> 1314

Met	Ser	Asn	Val	Thr	Leu	Val	Thr	Thr	Phe	Phe	Leu	Ser	Gly	Ile	Pro
1				5					10					15	
His	Pro	Pro	Ala	Leu	Asp	Thr	Met	Leu	Phe	Val	Ala	Phe	Leu	Val	Ile
			20					25					30		
Tyr	Ile	Leu	Thr	Val	Leu	Gly	Asn	Phe	Leu	Ile	Leu	Met	Val	Ile	Arg
		35					40					45			
Val	Asp	Ser	His	Leu	His	Thr	Pro	Met	Tyr	Tyr	Phe	Leu	Thr	Asn	Leu
	50					55					60				
Ser	Phe	Ile	Asp	Met	Trp	Phe	Ser	Thr	Val	Thr	Val	Pro	Lys	Met	Leu
65					70					75					80
Met	Thr	Leu	Val	Ser	Pro	Arg	Gly	Gly	Ala	Ile	Ser	Phe	His	Ser	Cys

				85					90					95			
Val	Ala	Gln	Leu	Tyr	Cys	Phe	His	Phe	Leu	Gly	Ser	Thr	Glu	Cys	Phe		
			100					105					110				
Leu	Tyr	Thr	Val	Met	Ser	Tyr	Asp	Arg	Tyr	Leu	Ala	Ile	Ser	Tyr	Pro		
		115					120					125					
Leu	Arg	Tyr	Ser	Ser	Met	Met	Ser	Gly	Arg	Val	Cys	Ala	Leu	Leu	Ala		
		130				135					140						
Ala	Gly	Thr	Trp	Ile	Thr	Gly	Ser	Leu	His	Ser	Ala	Val	Gln	Thr	Thr		
145					150					155					160		
Leu	Thr	Phe	Arg	Leu	Pro	Tyr	Cys	Gly	Pro	Asn	Gln	Ile	Gln	His	Tyr		
				165				170						175			
Phe	Cys	Asp	Ala	Pro	Pro	Ile	Leu	Lys	Leu	Ala	Cys	Ala	Asp	Thr	Ser		
			180					185					190				
Ala	Asn	Glu	Met	Val	Ile	Phe	Val	Asn	Ile	Gly	Val	Val	Ala	Ser	Gly		
		195					200					205					
Cys	Phe	Leu	Leu	Ile	Ser	Leu	Ser	Tyr	Val	Ser	Ile	Val	Cys	Ser	Ile		
	210					215					220						
Leu	Arg	Ile	Arg	Thr	Ser	Glu	Gly	Arg	His	Arg	Ala	Phe	Gln	Thr	Cys		
225					230					235					240		
Ala	Ser	His	Cys	Ile	Val	Val	Leu	Cys	Phe	Phe	Val	Pro	Cys	Val	Phe		
				245					250					255			
Ile	Tyr	Leu	Arg	Pro	Gly	Ser	Arg	Asp	Ala	Val	Asp	Gly	Val	Val	Ala		
			260					265					270				
Val	Phe	Tyr	Thr	Val	Leu	Thr	Pro	Leu	Leu	Asn	Pro	Val	Val	Tyr	Thr		
		275					280					285					
Leu	Arg	Asn	Lys	Glu	Val	Lys	Lys	Ala	Leu	Val	Lys	Leu	Lys	Asp	Lys		
	290					295					300						
Val	Ala	Tyr	Ser	Gln	Ser	Gln											
305					310												

<210> 1315

<211> 310

<212> PRT

<213> Mus musculus

<400> 1315

Met	Ser	Pro	Gly	Asn	His	Ser	Glu	Ala	Ser	Leu	Phe	Val	Leu	Glu	Gly		
1				5					10					15			
Leu	Thr	Asp	Gln	Pro	Gly	Leu	Gln	Ile	Pro	Leu	Phe	Ser	Leu	Phe	Leu		
			20					25					30				
Leu	Ile	Tyr	Leu	Val	Ser	Met	Ala	Gly	Asn	Leu	Gly	Leu	Val	Phe	Leu		
		35					40					45					
Ile	Arg	Ile	Ser	Ser	Gln	Leu	His	Thr	Pro	Met	Tyr	His	Phe	Leu	Ser		
	50				55						60						
Asn	Leu	Ser	Phe	Ile	Asp	Leu	Cys	Tyr	Ser	Ser	Val	Ile	Ile	Pro	Lys		
65					70					75					80		
Met	Leu	Val	Asn	Phe	Val	Ser	Glu	Lys	Asn	Phe	Thr	Ala	Phe	Pro	Glu		
				85					90					95			
Cys	Met	Val	Gln	Leu	Phe	Leu	Phe	Ser	Phe	Phe	Gly	Ile	Asp	Asp	Ser		
			100					105					110				
Tyr	Met	Leu	Thr	Ala	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Asn		
		115					120					125					
Pro	Leu	Leu	Tyr	Asn	Val	Thr	Met	Ser	His	Arg	Val	Cys	Met	Leu	Leu		
		130				135					140						
Ser	Thr	Ala	Val	Tyr	Ala	Met	Gly	Ala	Phe	Gly	Ala	Thr	Val	His	Thr		
145					150					155					160		
Ser	Tyr	Ile	Ser	Ser	Arg	Ser	Phe	Cys	Gly	Thr	Asn	Val	Ile	His	His		
				165					170					175			

Tyr	Phe	Cys	Asp	Ile	Leu	Pro	Leu	Ile	Asn	Ile	Ala	Cys	Ser	Arg	Asp
			180					185				190			
Tyr	Thr	Lys	Glu	Phe	Trp	Val	Met	Ile	Leu	Val	Gly	Phe	Asn	Val	Phe
		195					200					205			
Ala	Ser	Val	Phe	Ser	Ile	Phe	Ile	Ser	Tyr	Ala	Phe	Ile	Leu	Ala	Ser
	210					215					220				
Ile	Leu	Arg	Ile	Arg	Ser	Ala	Asp	Gly	Arg	Ser	Lys	Ala	Phe	Ser	Thr
225					230					235					240
Cys	Ser	Ser	His	Leu	Ala	Ala	Val	Gly	Val	Phe	Tyr	Gly	Ser	Ile	Ile
			245						250					255	
Phe	Met	Tyr	Phe	Lys	Pro	Ser	Thr	Gly	Asn	Thr	Thr	Gln	Glu	Lys	Val
			260					265					270		
Ala	Ser	Val	Phe	Tyr	Thr	Thr	Val	Ile	Pro	Met	Leu	Asn	Pro	Leu	Ile
		275					280					285			
Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Val	Lys	Glu	Ala	Ile	Lys	Lys	Ala	Leu
	290					295					300				
Asn	Ser	Gly	Leu	Phe	Ser										
305					310										

<210> 1316

<211> 310

<212> PRT

<213> Mus musculus

<400> 1316

Met	Leu	Asn	Gly	Ser	Val	Val	Thr	Thr	Phe	Phe	Leu	Ser	Gly	Leu	Pro
1				5					10				15		
His	Pro	Pro	Val	Leu	Asp	Ser	Met	Leu	Phe	Gly	Ile	Phe	Leu	Val	Ile
			20					25				30			
Tyr	Ile	Leu	Thr	Val	Leu	Gly	Asn	Leu	Leu	Ile	Leu	Met	Val	Ile	Arg
		35					40					45			
Val	Asp	Ser	His	Leu	His	Thr	Pro	Met	Tyr	Tyr	Phe	Leu	Thr	Asn	Leu
	50					55					60				
Ser	Phe	Ile	Asp	Met	Trp	Phe	Ser	Thr	Val	Thr	Val	Pro	Lys	Met	Leu
65					70					75					80
Met	Thr	Leu	Val	Ser	Thr	Gly	Gly	Gly	Ala	Ile	Ser	Phe	His	Ser	Cys
				85					90					95	
Val	Ala	Gln	Leu	Tyr	Cys	Phe	His	Phe	Leu	Gly	Ser	Thr	Glu	Cys	Phe
			100					105					110		
Leu	Tyr	Thr	Val	Met	Ser	Tyr	Asp	Arg	Tyr	Leu	Ala	Ile	Ser	Tyr	Pro
		115					120					125			
Leu	Arg	Tyr	Ser	Ser	Met	Met	Ser	Gly	Arg	Val	Cys	Ala	Leu	Leu	Ala
	130					135					140				
Ala	Gly	Thr	Trp	Ile	Thr	Gly	Ser	Leu	His	Ser	Ala	Val	Gln	Thr	Thr
145					150					155					160
Leu	Ile	Phe	His	Leu	Pro	Tyr	Cys	Gly	Pro	Asn	Glu	Ile	Gln	His	Tyr
				165					170					175	
Phe	Cys	Asp	Gly	Pro	Pro	Ile	Leu	Lys	Leu	Ala	Cys	Ala	Asp	Thr	Ser
			180					185					190		
Ala	Ile	Glu	Met	Val	Ile	Phe	Val	Asn	Ile	Gly	Val	Val	Ala	Ser	Gly
		195					200					205			
Cys	Phe	Phe	Leu	Ile	Ser	Leu	Ser	Tyr	Val	Ser	Ile	Val	Cys	Ser	Ile
	210					215					220				
Leu	Arg	Ile	Arg	Thr	Ser	Glu	Gly	Arg	His	Arg	Ala	Phe	Gln	Thr	Cys
225					230					235					240
Ala	Ser	His	Cys	Ile	Val	Val	Leu	Cys	Phe	Phe	Val	Pro	Cys	Val	Phe
				245					250					255	
Ile	Tyr	Leu	Arg	Pro	Gly	Ser	Arg	Asp	Ala	Val	Asp	Gly	Val	Val	Thr

			260					265					270				
Val	Phe	Tyr	Thr	Val	Leu	Thr	Pro	Leu	Leu	Asn	Pro	Val	Val	Tyr	Thr		
		275					280					285					
Leu	Arg	Asn	Lys	Glu	Val	Lys	Lys	Ala	Leu	Phe	Lys	Leu	Lys	Asp	Lys		
	290					295					300						
Val	Ala	Phe	Ser	Gln	Arg												
305					310												

<210> 1317
 <211> 311
 <212> PRT
 <213> Mus musculus

<400> 1317

Met	Ser	Asn	Thr	Ser	Ile	Val	Thr	Thr	Phe	Phe	Leu	Ser	Gly	Leu	Pro		
1				5					10					15			
His	Pro	Pro	Val	Leu	Asp	Ser	Met	Leu	Phe	Gly	Ile	Phe	Leu	Val	Ile		
			20					25					30				
Tyr	Ile	Leu	Thr	Val	Leu	Gly	Asn	Leu	Leu	Ile	Leu	Thr	Val	Ile	Arg		
	35					40						45					
Val	Asp	Ser	His	Leu	His	Thr	Pro	Met	Tyr	Tyr	Phe	Leu	Thr	Asn	Leu		
	50					55					60						
Ser	Phe	Ile	Asp	Met	Trp	Phe	Ser	Thr	Val	Thr	Val	Pro	Lys	Met	Leu		
65					70					75					80		
Met	Thr	Leu	Val	Ser	Thr	Gly	Gly	Gly	Ala	Ile	Ser	Phe	His	Ser	Cys		
				85					90					95			
Val	Ala	Gln	Leu	Tyr	Cys	Phe	His	Phe	Leu	Gly	Ser	Thr	Glu	Cys	Phe		
		100						105					110				
Leu	Tyr	Thr	Val	Met	Ser	Tyr	Asp	Arg	Tyr	Leu	Ala	Ile	Ser	Tyr	Pro		
	115						120					125					
Leu	Arg	Tyr	Ser	Ser	Met	Met	Gly	Gly	Arg	Met	Cys	Ala	Leu	Leu	Ala		
	130					135					140						
Ala	Gly	Thr	Trp	Leu	Thr	Gly	Ser	Leu	His	Ser	Ala	Val	Gln	Thr	Thr		
145					150					155					160		
Leu	Thr	Phe	His	Leu	Pro	Tyr	Cys	Gly	Pro	Asn	Gln	Ile	Gln	His	Tyr		
			165						170					175			
Phe	Cys	Asp	Ala	Pro	Pro	Ile	Leu	Lys	Leu	Ala	Cys	Ala	Asp	Thr	Ser		
		180						185					190				
Ala	Asn	Glu	Met	Val	Ile	Phe	Val	Asn	Ile	Gly	Val	Val	Ala	Ser	Gly		
	195						200					205					
Cys	Phe	Phe	Leu	Ile	Ser	Leu	Ser	Tyr	Val	Ser	Ile	Val	Cys	Ser	Ile		
	210					215					220						
Leu	Arg	Ile	Arg	Thr	Ser	Glu	Gly	Arg	His	Arg	Ala	Phe	Gln	Thr	Cys		
225					230					235					240		
Ala	Ser	His	Cys	Ile	Val	Val	Leu	Cys	Phe	Phe	Gly	Pro	Gly	Leu	Phe		
			245						250					255			
Ile	Tyr	Leu	Arg	Pro	Gly	Ser	Arg	Asp	Ala	Val	Asp	Gly	Ile	Val	Ala		
		260						265					270				
Val	Phe	Tyr	Thr	Val	Leu	Thr	Pro	Leu	Leu	Asn	Pro	Val	Val	Tyr	Thr		
	275						280					285					
Leu	Arg	Asn	Lys	Glu	Val	Lys	Lys	Ala	Leu	Leu	Lys	Ile	Lys	Tyr	Gly		
	290					295					300						
Ser	Val	Leu	Pro	Gln	Asp	Lys											
305					310												

<210> 1318
 <211> 316

<212> PRT

<213> Mus musculus

<400> 1318

Met	Phe	Cys	Asn	Thr	Ser	Thr	Pro	Gly	His	Ser	Thr	Phe	Leu	Leu	Thr
1				5					10					15	
Gly	Phe	Pro	Gly	Leu	Glu	Ala	Ser	His	His	Trp	Val	Ser	Ile	Pro	Ile
			20					25					30		
Asn	Leu	Ile	Cys	Val	Val	Ser	Ile	Leu	Gly	Asn	Ser	Val	Ile	Leu	Phe
		35					40					45			
Leu	Ile	Arg	Thr	Asp	Pro	Ala	Leu	His	Glu	Pro	Met	Phe	Ile	Phe	Leu
	50					55					60				
Ser	Met	Leu	Ala	Ala	Ser	Asp	Leu	Gly	Leu	Cys	Ala	Ser	Thr	Phe	Pro
65					70					75					80
Thr	Met	Val	Arg	Leu	Phe	Trp	Leu	Gly	Thr	Arg	Glu	Leu	Pro	Phe	Asp
				85					90					95	
Phe	Cys	Ala	Ala	Gln	Met	Phe	Phe	Ile	His	Ala	Phe	Thr	Tyr	Val	Glu
			100					105					110		
Ser	Gly	Val	Leu	Leu	Ala	Met	Ala	Phe	Asp	Arg	Phe	Ile	Ala	Ile	Arg
		115					120					125			
Asn	Pro	Leu	His	Tyr	Ala	Thr	Ile	Leu	Pro	His	Ser	Ala	Val	Ala	Lys
	130					135					140				
Val	Gly	Ala	Ala	Val	Leu	Val	Arg	Ala	Ile	Leu	Asn	Leu	Pro	Gly	
145					150					155				160	
Pro	Ile	Leu	Leu	Arg	Arg	Leu	Ile	Phe	Pro	Gln	Ile	Ser	Thr	Leu	Ser
				165					170					175	
His	Cys	Tyr	Cys	Leu	His	Cys	Asp	Leu	Val	Gly	Leu	Ala	Cys	Ser	Asp
			180					185				190			
Thr	Arg	Ile	Asn	Ser	Leu	Val	Gly	Leu	Val	Ser	Ile	Leu	Leu	Ser	Leu
		195					200					205			
Gly	Leu	Asp	Ser	Ser	Leu	Ile	Met	Leu	Ser	Tyr	Ala	Leu	Ile	Leu	Arg
	210					215					220				
Thr	Val	Leu	Gly	Ile	Ala	Ser	Pro	Gly	Glu	Arg	Leu	Lys	Ala	Leu	Asn
225					230					235					240
Thr	Cys	Val	Ser	His	Leu	Cys	Ile	Val	Leu	Ile	Phe	Tyr	Leu	Pro	Lys
				245					250					255	
Leu	Gly	Leu	Ser	Val	Leu	His	Arg	Val	Glu	Lys	His	Ser	Tyr	Pro	Ala
		260						265					270		
Leu	Ala	Val	Leu	Met	Ala	Asn	Leu	His	Phe	Leu	Val	Pro	Pro	Phe	Met
		275					280					285			
Asn	Pro	Val	Val	Tyr	Cys	Ile	Lys	Ser	Lys	Gln	Ile	Arg	Gln	Gly	Phe
	290					295					300				
Leu	Arg	Arg	Phe	Gln	Gln	Lys	Arg	Val	Asp	Ile	Ser				
305					310					315					

<210> 1319

<211> 315

<212> PRT

<213> Mus musculus

<400> 1319

Met	Asn	Ser	Asn	Ala	Ser	Gln	Thr	Asn	His	His	Ser	Phe	Ile	Leu	Thr
1				5					10					15	
Gly	Ile	Pro	Gly	Met	Pro	Asp	Lys	Asn	Pro	Trp	Met	Ala	Phe	Pro	Leu
			20					25					30		
Gly	Phe	Leu	Tyr	Thr	Leu	Thr	Leu	Gly	Asn	Gly	Thr	Ile	Leu	Ala	
		35					40				45				
Val	Val	Lys	Val	Glu	Gln	Ser	Leu	His	Glu	Pro	Met	Tyr	Tyr	Phe	Leu

50		55		60
Cys Ile Leu Ala Leu Thr Asp Val Ser Leu Ser Met Ser Thr Leu Pro				
65		70		75
Ser Met Leu Ser Ile Phe Trp Phe Asn Ala Pro Glu Ile Pro Phe Asp				80
	85		90	95
Ala Cys Ile Thr Gln Met Phe Phe Ile His Gly Phe Gly Val Val Glu				
	100		105	110
Ser Gly Val Leu Val Ser Met Ala Phe Asp Arg Phe Val Ala Ile Arg				
	115		120	125
Asp Pro Leu Arg Tyr Ala Ser Ile Leu Thr His Gly Leu Ile Gly Lys				
	130		135	140
Ile Gly Leu Val Val Leu Ala Arg Ala Val Cys Val Val Phe Pro Val				
145		150		155
Pro Phe Leu Ile Lys Arg Leu Pro Phe Cys Arg Ser Asn Val Leu Ser				
	165		170	175
His Ser Tyr Cys Leu His Gln Asp Ala Met Arg Leu Ala Cys Ala Ser				
	180		185	190
Thr Arg Val Asn Ser Leu Tyr Gly Leu Ile Val Val Ile Leu Thr Leu				
	195		200	205
Gly Leu Asp Ala Leu Ile Ile Leu Phe Ser Tyr Val Leu Ile Leu Lys				
	210		215	220
Thr Val Leu Gly Ile Ala Ser Arg Ala Glu Arg Leu Lys Ala Leu Asn				
225		230		235
Thr Cys Leu Ser His Ile Cys Ala Val Leu Leu Phe Tyr Ile Pro Leu				
	245		250	255
Ile Gly Ala Thr Met Ile His Arg Phe Gly Lys His Leu Ser Pro Val				
	260		265	270
Val His Met Phe Met Ala Asn Ile Tyr Leu Leu Leu Pro Pro Val Leu				
	275		280	285
Asn Pro Ile Val Tyr Ser Val Lys Thr Lys Gln Ile Arg Arg Arg Ile				
	290		295	300
Ile Gln Val Phe Arg Gly Arg Lys Asn Met Ser				
305		310		315

<210> 1320
 <211> 317
 <212> PRT
 <213> Mus musculus

<400> 1320
Met Leu Val Asn Asn Ile Thr Ser Thr His Pro Val Ala Phe Leu Leu
1 5 10 15
Met Gly Ile Pro Gly Leu Glu His Leu His Ile Trp Ile Ser Ile Pro
20 25 30
Phe Cys Ser Ala Tyr Thr Leu Ala Val Leu Gly Asn Cys Thr Leu Leu
35 40 45
Phe Ile Ile Arg Val Asp Ala Ala Leu His Glu Thr Met Tyr Leu Phe
50 55 60
Leu Ala Met Leu Ala Ala Ile Asp Leu Val Leu Ser Ser Ser Thr Leu
65 70 75 80
Pro Lys Met Leu Ser Leu Phe Trp Phe Arg Asp Arg Glu Ile Asn Phe
85 90 95
His Ala Cys Leu Ile Gln Met Phe Phe Leu His Ser Phe Ala Ile Met
100 105 110
Glu Ser Ala Met Leu Leu Ala Met Ala Phe Asp Arg Tyr Val Ala Ile
115 120 125
Cys Lys Pro Leu His Tyr Thr Thr Ile Leu Thr Lys Pro Leu Ile Ile
130 135 140

Lys	Ile	Gly	Leu	Ala	Ala	Val	Thr	Arg	Ala	Val	Thr	Leu	Met	Thr	Pro
145					150					155					160
Leu	Pro	Phe	Leu	Leu	Arg	Arg	Phe	His	Tyr	Cys	Arg	Gly	Thr	Val	Ile
				165					170						175
Ala	His	Cys	Tyr	Cys	Glu	His	Met	Ala	Val	Val	Arg	Leu	Ala	Cys	Gly
			180					185					190		
Asp	Thr	Arg	Phe	Asn	Asn	Ile	Tyr	Gly	Ile	Ala	Val	Ala	Met	Phe	Ile
		195					200					205			
Val	Val	Leu	Asp	Leu	Leu	Phe	Val	Ile	Leu	Ser	Tyr	Ile	Phe	Ile	Leu
	210					215					220				
Arg	Ala	Val	Leu	Gln	Leu	Ala	Ser	Gln	Glu	Ala	Arg	Tyr	Lys	Ala	Phe
225					230					235					240
Gly	Thr	Cys	Val	Ser	His	Ile	Gly	Ala	Ile	Leu	Ala	Phe	Tyr	Thr	Pro
				245					250						255
Val	Val	Ile	Ser	Ser	Val	Met	His	Arg	Val	Ala	Arg	Arg	Ala	Ala	Pro
			260					265					270		
His	Val	His	Ile	Leu	Leu	Ala	Asn	Phe	Tyr	Leu	Leu	Phe	Pro	Pro	Met
		275					280					285			
Val	Asn	Pro	Ile	Ile	Tyr	Gly	Val	Lys	Thr	Lys	Gln	Ile	Arg	Glu	Arg
	290				295						300				
Val	Leu	Gly	Leu	Phe	Leu	Arg	Lys	Asp	Leu	Lys	Gly	Glu			
305					310					315					

<210> 1321

<211> 316

<212> PRT

<213> Mus musculus

<400> 1321

Met	Ala	Pro	Phe	Asn	Tyr	Thr	Gly	Thr	Ser	His	Ser	Val	Phe	Ile	Leu
1				5					10					15	
Leu	Gly	Ile	Pro	Gly	Leu	Glu	Glu	Gln	His	Leu	Trp	Ile	Ser	Leu	Pro
			20					25					30		
Phe	Phe	Ile	Ser	Tyr	Leu	Val	Ala	Leu	Phe	Gly	Asn	Ile	Thr	Leu	Ile
		35					40					45			
Leu	Val	Ile	Ile	Ala	Glu	Arg	Ser	Leu	His	Glu	Pro	Met	Tyr	Leu	Phe
	50					55					60				
Leu	Cys	Met	Leu	Ala	Ala	Ala	Asp	Leu	Ile	Leu	Ser	Thr	Thr	Thr	Val
65					70					75					80
Pro	Lys	Ala	Leu	Ala	Ile	Phe	Trp	Phe	Arg	Ala	Gly	Ala	Ile	Ser	Leu
				85					90					95	
Asp	Gly	Cys	Val	Thr	Gln	Ile	Phe	Phe	Ile	His	Ala	Thr	Phe	Ile	Ala
			100					105					110		
Glu	Ser	Gly	Ile	Leu	Leu	Ala	Met	Ala	Phe	Asp	Arg	Tyr	Val	Ala	Ile
		115					120					125			
Cys	Asp	Pro	Leu	His	Tyr	Ser	Thr	Val	Leu	Ser	His	Val	Ile	Ile	Val
	130					135					140				
Arg	Ile	Gly	Leu	Ala	Val	Val	Leu	Arg	Ser	Phe	Cys	Val	Ile	Leu	Pro
145					150					155					160
Asp	Val	Phe	Leu	Val	Lys	Arg	Leu	Pro	Phe	Cys	Arg	Ser	Asn	Val	Leu
				165					170					175	
Pro	His	Thr	Tyr	Cys	Glu	His	Met	Ala	Val	Ala	Arg	Phe	Ala	Cys	Ala
			180					185					190		
Asp	Ile	Arg	Val	Asn	Val	Trp	Tyr	Gly	Leu	Ser	Val	Leu	Leu	Ser	Thr
		195					200					205			
Val	Val	Leu	Asp	Ala	Leu	Leu	Ile	Leu	Val	Ser	Tyr	Gly	Leu	Ile	Leu
	210					215					220				
His	Thr	Val	Phe	Arg	Leu	Pro	Ser	Arg	Gly	Ala	Arg	Gln	Lys	Ala	Leu

225					230					235					240
Gly	Thr	Cys	Gly	Ser	His	Leu	Gly	Val	Ile	Ser	Met	Phe	Tyr	Leu	Pro
				245					250					255	
Gly	Ile	Phe	Thr	Ile	Ile	Thr	Gln	Arg	Phe	Gly	Gln	His	Val	Pro	Leu
			260					265					270		
His	Thr	His	Ile	Leu	Leu	Ala	Asn	Val	Cys	Met	Leu	Ala	Pro	Pro	Met
		275					280					285			
Leu	Asn	Pro	Ile	Ile	Tyr	Gly	Ile	Lys	Thr	Arg	Gln	Ile	Arg	Glu	Arg
	290					295					300				
Val	Leu	Ser	Ser	Leu	Ser	Ser	Gln	Trp	Lys	Leu	Arg				
305					310					315					

<210> 1322

<211> 317

<212> PRT

<213> Mus musculus

<400> 1322

Met	Ser	Asp	Val	Asn	Thr	Thr	Ser	Asn	Trp	Pro	Thr	Phe	Ser	Phe	Ile
1				5					10					15	
Gly	Ile	Pro	Gly	Leu	Glu	Ala	Ala	His	Met	Trp	Ile	Ser	Ile	Pro	Phe
			20					25				30			
Cys	Leu	Leu	Tyr	Leu	Val	Ala	Leu	Gly	Gly	Asn	Val	Leu	Leu	Leu	Leu
		35					40				45				
Leu	Val	Arg	Ala	Glu	Gln	Asn	Leu	His	Glu	Pro	Gln	Phe	Tyr	Phe	Leu
	50					55					60				
Ala	Met	Leu	Ala	Leu	Thr	Asp	Leu	Gly	Leu	Ser	Leu	Ser	Thr	Met	Pro
65					70					75				80	
Ser	Val	Leu	Ala	Ile	Phe	Trp	Phe	Asp	Val	His	Asn	Val	Gly	Leu	Asp
				85					90				95		
Ala	Cys	Leu	Thr	Gln	Met	Phe	Phe	Ile	His	Thr	Leu	Ser	Ser	Val	Glu
			100					105					110		
Ser	Gly	Val	Leu	Val	Ala	Met	Ala	Phe	Asp	Arg	Leu	Val	Ala	Ile	Cys
	115						120					125			
Ala	Pro	Leu	Thr	Tyr	Thr	Arg	Ile	Leu	Asn	His	Gln	Thr	Val	Leu	Cys
	130					135					140				
Leu	Ser	Gly	Ala	Ala	Leu	Ile	Arg	Gly	Ala	Thr	Leu	Leu	Ala	Pro	Leu
145					150					155				160	
Pro	Phe	Phe	Leu	Arg	Thr	Phe	Pro	Phe	Cys	Gly	Ala	Asn	Ile	Leu	Ser
			165						170				175		
His	Ser	Tyr	Cys	Tyr	Tyr	Pro	Asp	Met	Leu	Asn	Leu	Ala	Cys	Gly	Asp
			180					185					190		
Val	Thr	Phe	Ser	Ser	Val	Tyr	Gly	Leu	Val	Cys	Val	Leu	Cys	Thr	Phe
	195						200					205			
Ala	Val	Asp	Val	Ile	Phe	Ile	Leu	Val	Ser	Tyr	Met	Lys	Ile	Leu	Gly
	210					215					220				
Thr	Val	Met	Lys	Leu	Gly	Ile	Gln	Asp	Arg	Asn	Trp	Lys	Ser	Leu	Gln
225				230						235				240	
Thr	Cys	Val	Cys	His	Leu	Cys	Thr	Val	Leu	Val	Phe	Tyr	Leu	Pro	Leu
				245					250					255	
Ile	Ser	Leu	Ala	Val	Leu	His	Arg	Tyr	Thr	Gln	Glu	Thr	Ser	Pro	Ile
			260					265					270		
Leu	Tyr	Thr	Thr	Met	Ser	Asn	Ala	Tyr	Leu	Leu	Met	Thr	Pro	Leu	Leu
		275					280					285			
Asn	Pro	Leu	Val	Tyr	Ser	Leu	Lys	Ser	Arg	Gln	Ile	Gln	Ala	Ala	Leu
	290					295					300				
Arg	Lys	Arg	Phe	Gly	Val	Gln	Arg	Val	Val	Ala	Gly	Glu			
305					310					315					

<210> 1323
 <211> 317
 <212> PRT
 <213> Mus musculus

<400> 1323
 Met Glu Ile Thr Asn Ser Ser Trp Phe Gln Pro Pro Thr Leu Leu Leu
 1 5 10 15
 Thr Gly Ile Pro Gly Leu Glu Asp Val Gln Ile Trp Phe Cys Ile Pro
 20 25 30
 Leu Cys Val Met Tyr Leu Ile Ala Leu Leu Gly Asn Cys Thr Ile Leu
 35 40 45
 Phe Val Ile Arg Thr Thr Ser Ser Leu His Glu Pro Gln Tyr Ile Phe
 50 55 60
 Leu Ser Met Leu Ala Ala Thr Asp Val Gly Leu Ser Val Ser Thr Leu
 65 70 75 80
 Pro Thr Val Leu Asn Val Phe Leu Leu Asn His Arg Asp Ile Glu Phe
 85 90 95
 His Ser Cys Leu Thr Gln Met Phe Phe Ile His Thr Phe Ser Ser Met
 100 105 110
 Glu Ser Ala Ile Leu Leu Ala Met Ala Phe Asp Arg Phe Val Ala Ile
 115 120 125
 Arg Asn Ser Leu His Tyr Thr Ala Val Leu Thr Pro Thr Arg Ile Ile
 130 135 140
 Lys Ile Gly Leu Ala Ala Val Val Arg Gly Val Met Leu Met Ile Pro
 145 150 155 160
 Leu Pro Ile Leu Leu Lys Arg Leu Pro Phe Cys Lys Gly Val Ile Leu
 165 170 175
 Ser His Cys Tyr Cys Tyr His Pro Asp Ile Met Lys Leu Ala Cys Gly
 180 185 190
 Pro Val Arg Val Asn Ile Ile Tyr Gly Leu Ser Leu Val Leu Cys Ser
 195 200 205
 Phe Gly Val Asp Ser Val Phe Ile Val Ile Ser Tyr Ile Leu Ile Leu
 210 215 220
 Lys Thr Val Leu Gly Ile Ala Ser Gly Asp Gly Lys Leu Lys Ala Leu
 225 230 235 240
 Asn Thr Cys Val Ser His Ile Phe Thr Val Phe Ile Phe Tyr Val Pro
 245 250 255
 Leu Ile Val Leu Ala Leu Ile His Arg Phe Gly Thr Phe Ala Ser Pro
 260 265 270
 Leu Leu His Val Thr Met Ala Asn Leu Phe Leu Phe Leu Thr Pro Val
 275 280 285
 Leu Asn Pro Leu Val Tyr Ser Leu Lys Thr Lys Gln Ile Arg Ser Ala
 290 295 300
 Val Cys Lys Ile Phe Lys Val Trp Gly Asn Leu Leu Lys
 305 310 315

<210> 1324
 <211> 319
 <212> PRT
 <213> Mus musculus

<400> 1324
 Met Ala Thr Ser Asn Ser Ser Thr Ile Val Ser Ser Thr Phe Tyr Leu
 1 5 10 15
 Thr Gly Ile Pro Gly Tyr Glu Glu Phe His His Trp Ile Ser Ile Pro

Glu	Ser	Gly	Ile	Leu	Phe	Ala	Met	Ala	Met	Asp	Arg	Tyr	Val	Ala	Ile
		115					120					125			
Cys	Asp	Pro	Leu	Arg	His	Ala	Ser	Ile	Phe	Thr	Gln	Arg	Leu	Leu	Thr
	130					135					140				
Gln	Ile	Gly	Val	Gly	Val	Thr	Leu	Arg	Ala	Ala	Leu	Phe	Val	Ala	Pro
145					150					155					160
Cys	Leu	Phe	Leu	Ile	Lys	Cys	Arg	Leu	Lys	Phe	Tyr	Trp	Thr	Thr	Val
				165					170					175	
Val	Ser	His	Ser	Tyr	Cys	Glu	His	Met	Ala	Ile	Val	Lys	Leu	Ala	Ala
			180					185					190		
Glu	Asp	Val	His	Val	Asn	Lys	Ile	Tyr	Gly	Leu	Phe	Val	Ala	Phe	Ser
	195						200					205			
Ile	Leu	Gly	Leu	Asp	Ile	Ile	Phe	Ile	Thr	Leu	Ser	Tyr	Ile	Arg	Ile
	210					215					220				
Phe	Ile	Thr	Val	Phe	Lys	Leu	Pro	Gln	Lys	Glu	Ala	Arg	Leu	Lys	Ala
225					230					235					240
Phe	Asn	Thr	Cys	Val	Ala	His	Ile	Cys	Val	Phe	Leu	Glu	Phe	Tyr	Leu
				245					250					255	
Leu	Ala	Phe	Phe	Ser	Phe	Phe	Thr	His	Arg	Phe	Gly	Tyr	His	Val	Pro
			260					265					270		
Ser	Tyr	Ile	His	Ile	Leu	Leu	Ser	Asn	Leu	Tyr	Leu	Leu	Val	Pro	Pro
	275						280					285			
Leu	Leu	Asn	Pro	Ile	Val	Tyr	Gly	Val	Lys	Thr	Lys	Gln	Ile	Arg	Asp
	290					295					300				
Gln	Val	Ser	Lys	Ile	Leu	Tyr	Cys	Asn	Tyr	Ser	Tyr				
305					310					315					

<210> 1326

<211> 318

<212> PRT

<213> Mus musculus

<400> 1326

Met	Ser	Gly	Ala	Asn	Ser	Ser	Ser	Leu	Thr	Pro	Glu	Phe	Phe	Ile	Leu
1				5				10						15	
Asn	Gly	Val	Pro	Gly	Leu	Glu	Asp	Ala	His	Val	Trp	Ile	Ser	Leu	Pro
		20						25					30		
Phe	Cys	Phe	Met	Tyr	Met	Ile	Ala	Val	Val	Gly	Asn	Cys	Gly	Leu	Ile
	35						40				45				
Tyr	Leu	Ile	Gly	His	Glu	Glu	Ala	Leu	His	Arg	Pro	Met	Tyr	Tyr	Phe
	50					55					60				
Leu	Ala	Leu	Leu	Ser	Phe	Thr	Asp	Val	Thr	Leu	Cys	Thr	Thr	Thr	Val
65					70					75					80
Pro	Asn	Met	Leu	Cys	Ile	Phe	Trp	Phe	Asn	Phe	Lys	Lys	Ile	Gly	Phe
				85					90					95	
Asn	Ser	Cys	Leu	Val	Gln	Met	Phe	Phe	Val	His	Met	Leu	Thr	Gly	Met
			100					105					110		
Glu	Ser	Gly	Val	Leu	Met	Leu	Met	Ala	Leu	Asp	Arg	Tyr	Val	Ala	Ile
		115						120				125			
Cys	Tyr	Pro	Leu	Arg	Tyr	Thr	Thr	Ile	Leu	Thr	Asn	Pro	Val	Ile	Ala
	130					135					140				
Lys	Ala	Gly	Leu	Ala	Thr	Phe	Leu	Arg	Ser	Val	Met	Leu	Ile	Phe	Pro
145					150					155					160
Phe	Thr	Leu	Leu	Thr	Lys	Arg	Leu	Pro	Tyr	Cys	Arg	Gly	Ser	Leu	Ile
				165					170					175	
Pro	His	Thr	Tyr	Cys	Asp	His	Met	Ser	Val	Ala	Lys	Val	Ser	Cys	Gly
			180					185					190		
Asn	Ala	Lys	Val	Asn	Ala	Ile	Tyr	Gly	Leu	Met	Val	Ala	Leu	Leu	Ile

Tyr	Val	Val	Ile	Pro	Pro	Ala	Leu	Asn	Pro	Val	Ile	Tyr	Gly	Ile	Arg
	290					295					300				
Thr	Lys	Gln	Ile	Gln	Gln	Arg	Val	Lys	Asn	Leu	Phe	Val			
305					310					315					

<210> 1328
 <211> 319
 <212> PRT
 <213> Mus musculus

<400> 1328															
Met	Ala	Pro	Ser	Asn	Ser	Ser	Val	Ser	Val	Ser	Ser	Thr	Phe	Tyr	Leu
1				5					10					15	
Thr	Gly	Ile	Pro	Gly	Tyr	Glu	Glu	Phe	His	His	Trp	Ile	Ser	Ile	Pro
			20					25					30		
Phe	Cys	Leu	Ile	Tyr	Ile	Ile	Gly	Val	Thr	Gly	Asn	Cys	Ser	Ile	Leu
		35					40					45			
His	Ile	Val	Arg	Thr	Asp	Pro	Lys	Leu	His	Glu	Pro	Met	Tyr	Tyr	Phe
	50					55					60				
Leu	Ala	Met	Leu	Ser	Leu	Thr	Asp	Met	Ala	Met	Ser	Leu	Pro	Ala	Met
65					70					75					80
Val	Ser	Leu	Phe	Arg	Val	Leu	Trp	Ser	Ile	Ser	Arg	Glu	Ile	Gln	Phe
				85					90					95	
Asn	Ile	Cys	Val	Val	Gln	Met	Phe	Leu	Ile	His	Thr	Phe	Ser	Phe	Thr
			100					105					110		
Glu	Ser	Ser	Val	Leu	Leu	Ala	Met	Ala	Leu	Asp	Arg	Tyr	Val	Ala	Ile
		115					120					125			
Cys	His	Pro	Leu	Arg	Tyr	Ala	Thr	Ile	Leu	Thr	Pro	Lys	Leu	Ile	Ala
	130					135					140				
Lys	Ile	Gly	Ile	Ala	Ala	Leu	Leu	Arg	Ser	Ala	Ile	Pro	Leu	Ile	Pro
145					150					155					160
Leu	Leu	Val	Arg	Leu	Ala	Phe	Phe	Ser	Phe	Cys	Arg	Ser	His	Val	Leu
				165					170					175	
Ser	His	Ser	Tyr	Cys	Leu	His	Gln	Asp	Ile	Ile	Arg	Leu	Ala	Cys	Ala
			180					185					190		
Asp	Ile	Arg	Phe	Asn	Val	Ile	Tyr	Gly	Met	Val	Val	Ile	Leu	Met	Leu
	195						200					205			
Trp	Gly	Met	Asp	Ser	Leu	Gly	Ile	Leu	Ile	Thr	Tyr	Val	Phe	Ile	Leu
	210					215						220			
His	Ser	Val	Leu	Arg	Ile	Ala	Ser	Arg	Glu	Gly	Arg	Leu	Lys	Ala	Leu
225					230					235					240
Asn	Thr	Cys	Ala	Ser	His	Ile	Cys	Ala	Val	Leu	Ile	Leu	Tyr	Val	Pro
			245						250					255	
Met	Ile	Gly	Leu	Ser	Ile	Val	His	Arg	Phe	Ala	Lys	His	Ser	Ser	Pro
		260						265					270		
Phe	Val	His	Ile	Phe	Met	Ala	His	Ile	Tyr	Leu	Met	Val	Pro	Pro	Val
		275					280					285			
Leu	Asn	Pro	Ile	Ile	Tyr	Ser	Val	Lys	Thr	Lys	Gln	Ile	Arg	Gln	Gly
	290					295					300				
Ile	Phe	His	Leu	Ile	Cys	Pro	His	Lys	Ile	Asn	Ser	Ser	Ala	Met	
305					310					315					

<210> 1329
 <211> 317
 <212> PRT
 <213> Mus musculus

<400> 1329

Met	Val	Gly	Phe	Asn	Ser	Asn	Glu	Ser	Ser	Ala	Thr	Tyr	Phe	Ile	Leu
1				5					10					15	
Ile	Gly	Leu	Pro	Gly	Leu	Glu	Glu	Val	Gln	Phe	Trp	Leu	Ala	Phe	Pro
			20					25					30		
Leu	Cys	Ser	Leu	Tyr	Leu	Ile	Ala	Val	Leu	Gly	Asn	Leu	Thr	Ile	Ile
		35					40					45			
Tyr	Ile	Val	Arg	Thr	Glu	His	Ser	Leu	His	Glu	Pro	Met	Tyr	Ile	Phe
	50					55					60				
Leu	Cys	Met	Leu	Ser	Gly	Leu	Asp	Ile	Leu	Ile	Ser	Thr	Ser	Ser	Met
65					70					75					80
Pro	Lys	Met	Met	Ala	Ile	Phe	Trp	Phe	Asn	Ser	Thr	Thr	Ile	Gln	Phe
				85					90					95	
Asp	Ala	Cys	Leu	Val	Gln	Met	Phe	Ala	Ile	His	Ser	Leu	Ser	Gly	Met
			100					105					110		
Glu	Ser	Thr	Val	Leu	Leu	Ala	Met	Ala	Phe	Asp	Arg	Tyr	Val	Ala	Ile
		115					120					125			
Cys	His	Pro	Leu	Arg	His	Ala	Thr	Val	Leu	Thr	Leu	Pro	Arg	Val	Ala
	130					135					140				
Lys	Ile	Gly	Met	Ala	Ala	Val	Val	Arg	Gly	Ala	Val	Leu	Met	Ala	Pro
145					150					155					160
Leu	Pro	Val	Phe	Ile	Lys	Arg	Leu	Pro	Phe	Cys	Arg	Ser	Asn	Ile	Leu
				165					170					175	
Ser	His	Ser	Tyr	Cys	Leu	His	Gln	Asp	Val	Met	Lys	Leu	Ala	Cys	Ala
			180					185					190		
Asp	Ile	Arg	Val	Asn	Ile	Ile	Tyr	Gly	Leu	Ile	Val	Ile	Ile	Ser	Ala
		195					200					205			
Ile	Gly	Leu	Asp	Ser	Leu	Leu	Ile	Ser	Phe	Ser	Tyr	Leu	Leu	Ile	Leu
	210					215					220				
Lys	Thr	Val	Leu	Gly	Leu	Thr	Arg	Glu	Ala	Gln	Ala	Lys	Ala	Phe	Gly
225					230					235					240
Thr	Cys	Val	Ser	His	Val	Cys	Ala	Val	Phe	Ile	Phe	Tyr	Val	Pro	Phe
				245					250					255	
Ile	Gly	Leu	Ser	Met	Val	His	Arg	Phe	Ser	Lys	Arg	Arg	Asp	Ser	Leu
			260					265					270		
Leu	Pro	Val	Ile	Met	Ala	Asn	Ile	Tyr	Leu	Leu	Val	Pro	Pro	Val	Leu
		275					280					285			
Asn	Pro	Ile	Val	Tyr	Gly	Val	Lys	Thr	Lys	Glu	Ile	Arg	Gln	Arg	Ile
	290					295					300				
Leu	Arg	Leu	Phe	Leu	Val	Thr	Thr	His	Thr	Ser	Asp	His			
305					310					315					

<210> 1330

<211> 314

<212> PRT

<213> Mus musculus

<400> 1330

Met	Pro	Ser	Phe	Asn	Glu	Ser	Thr	Ala	Tyr	Pro	Pro	Val	Phe	Phe	Leu
1				5					10					15	
Thr	Gly	Ile	Pro	Gly	Leu	Glu	Thr	Ser	His	Thr	Trp	Ile	Ser	Ile	Pro
			20					25					30		
Phe	Cys	Cys	Leu	Tyr	Ala	Ile	Ala	Ile	Ser	Gly	Asn	Ser	Met	Ile	Leu
		35					40					45			
Phe	Val	Ile	Ile	Thr	Glu	Ser	Ser	Leu	His	Glu	Pro	Met	Tyr	Tyr	Phe
	50					55					60				
Leu	Ser	Met	Leu	Ser	Phe	Thr	Asp	Leu	Gly	Leu	Cys	Leu	Ser	Thr	Leu
65					70					75					80

Val	Thr	Val	Leu	Gly	Ile	Phe	Trp	Phe	Asn	Val	Arg	Glu	Ile	Ser	Phe	
				85					90					95		
Asp	Ala	Cys	Ile	Gly	Gln	Met	Phe	Phe	Ile	His	Gly	Phe	Thr	Phe	Met	
			100					105					110			
Glu	Ser	Ser	Val	Leu	Leu	Val	Met	Ala	Phe	Asp	Arg	Phe	Ile	Ala	Ile	
			115				120					125				
Cys	Asn	Pro	Leu	Arg	Tyr	Ala	Met	Ile	Leu	Thr	Asn	Ser	Arg	Ile	Ile	
	130					135					140					
Ala	Val	Gly	Phe	Ala	Ile	Ile	Ile	Arg	Gly	Thr	Thr	Ala	Leu	Val	Pro	
145					150					155				160		
Leu	Leu	Leu	Leu	Leu	Lys	Arg	Leu	Ser	Phe	Cys	Arg	Ser	His	Val	Leu	
				165					170					175		
His	His	Ser	Tyr	Cys	Phe	His	Pro	Asp	Val	Met	Lys	Leu	Ser	Cys	Ser	
			180					185					190			
Asp	Thr	Arg	Ile	Asn	Ser	Ala	Phe	Gly	Leu	Ala	Ile	Val	Ile	Ser	Thr	
		195					200					205				
Ala	Gly	Leu	Asp	Ser	Val	Leu	Ile	Leu	Leu	Ser	Tyr	Val	Leu	Ile	Ile	
	210					215					220					
His	Ser	Val	Leu	Cys	Ile	Ala	Ser	Lys	Glu	Glu	Arg	Lys	Lys	Ala	Phe	
225					230					235					240	
Gly	Thr	Cys	Val	Ser	His	Leu	Ser	Ala	Val	Ala	Ile	Phe	Tyr	Ile	Pro	
			245						250					255		
Met	Ile	Ser	Leu	Ser	Leu	Val	His	Arg	Phe	Gly	Lys	His	Ala	Pro	Pro	
			260					265					270			
Phe	Val	His	Thr	Leu	Ile	Ala	Asn	Val	Tyr	Leu	Leu	Ile	Pro	Pro	Val	
		275					280					285				
Met	Asn	Pro	Ile	Ile	Tyr	Ser	Val	Lys	Thr	Lys	Gln	Ile	Arg	Lys	Ala	
	290					295					300					
Met	Leu	Lys	Val	Phe	Phe	Val	Lys	Pro	Ser							
305					310											

<210> 1331

<211> 316

<212> PRT

<213> Mus musculus

<400> 1331

Met	Leu	Ile	Leu	Asn	Asn	Thr	His	Ser	Gln	Leu	Pro	Thr	Phe	Leu	Leu	
1				5					10					15		
Thr	Gly	Ile	Pro	Gly	Leu	Arg	Ala	Ala	Gln	Val	Trp	Ile	Ser	Ile	Pro	
			20					25					30			
Phe	Cys	Leu	Leu	Tyr	Val	Ile	Ala	Leu	Ser	Gly	Asn	Ser	Met	Ile	Leu	
		35					40				45					
Leu	Val	Ile	Val	Arg	Glu	Gln	Ser	Leu	His	Glu	Pro	Met	Tyr	Tyr	Phe	
	50					55					60					
Leu	Ser	Met	Leu	Ser	Ile	Thr	Asp	Leu	Ser	Leu	Ser	Leu	Cys	Thr	Leu	
65					70					75				80		
Ser	Thr	Thr	Leu	Gly	Val	Leu	Trp	Phe	Glu	Ala	Arg	Glu	Ile	Asn	Leu	
			85						90					95		
Asn	Ala	Cys	Ile	Ala	Gln	Met	Phe	Phe	Leu	His	Gly	Phe	Thr	Phe	Met	
			100					105					110			
Glu	Ser	Gly	Val	Leu	Leu	Ala	Met	Ala	Phe	Asp	Arg	Phe	Val	Ala	Ile	
		115					120					125				
Cys	Asp	Pro	Leu	Arg	Tyr	Thr	Thr	Ile	Leu	Thr	Asn	Ala	Arg	Ile	Ala	
	130					135					140					
Gln	Ile	Gly	Thr	Ile	Val	Leu	Ile	Arg	Asn	Val	Ala	Val	Met	Leu	Pro	
145					150					155				160		
Val	Val	Leu	Phe	Val	Lys	Arg	Leu	Ser	Phe	Cys	Ser	Ser	Leu	Val	Leu	

Ile Gly Leu Ser Met Ile Arg Arg Tyr Gly Gln Asn Ala Ser Pro Ile
 260 265 270
 Val His Val Ile Met Ala Asn Val Tyr Leu Leu Val Pro Pro Leu Met
 275 280 285
 Asn Pro Ile Val Tyr Ser Val Lys Thr Lys Gln Ile Arg Asp Arg Ile
 290 295 300
 Leu Arg Lys Leu Lys Lys Gln Lys Val
 305 310

<210> 1333
 <211> 318
 <212> PRT
 <213> Mus musculus

<400> 1333
 Met Ala Asp His Asn His Ser Gln Ser Gln His Leu Tyr Phe Ile Leu
 1 5 10 15
 Thr Gly Ile Pro Gly Leu Glu Gln Lys Tyr Tyr Trp Met Ala Phe Pro
 20 25 30
 Leu Gly Ala Ile Tyr Val Ile Ala Leu Phe Gly Asn Gly Val Ile Ile
 35 40 45
 Ser Thr Ile Lys Ser Glu Ser Ser Leu His Ile Pro Met Tyr Tyr Phe
 50 55 60
 Leu Cys Met Leu Ala Phe Ala Asp Met Gly Leu Thr Leu Cys Thr Leu
 65 70 75 80
 Pro Ser Met Leu Gly Ile Phe Trp Phe Asn Tyr Lys Phe Ile Thr Phe
 85 90 95
 Asp Gly Cys Leu Val Gln Met Tyr Phe Ile His Thr Phe Ser Ala Ile
 100 105 110
 Glu Ser Gly Val Leu Val Ala Met Ala Ile Asp Arg Val Ile Ala Ile
 115 120 125
 Trp Ser Pro Leu Arg Tyr Gly Thr Ile Leu Thr Asn Gly Val Val Cys
 130 135 140
 Lys Ile Gly Met Leu Ile Leu Ser Arg Ala Val Cys Val Val Phe Pro
 145 150 155 160
 Val Pro Phe Leu Ile Lys Arg Leu Pro Phe Tyr Arg Ser Asn Ile Leu
 165 170 175
 Ser His Ser Phe Cys Leu His Gln Asp Val Met Arg Leu Ala Cys Ala
 180 185 190
 Ser Thr Arg Val Asn Ser Leu Tyr Gly Leu Ile Ala Val Ile Phe Thr
 195 200 205
 Lys Gly Ser Asp Ser Leu Ser Ile Leu Ile Ser Tyr Val Phe Ile Leu
 210 215 220
 Arg Thr Val Met Ala Ile Ala Ser Gly Glu Gly Arg Leu Lys Ala Leu
 225 230 235 240
 Asn Thr Cys Val Ser His Ile Cys Ala Val Leu Ile Phe Tyr Val Pro
 245 250 255
 Leu Ile Gly Val Ser Val Ile His Arg Phe Gly Lys His Leu Ser Pro
 260 265 270
 Leu Thr His Ala Leu Met Ala Asn Ala Tyr Leu Leu Val Pro Pro Val
 275 280 285
 Leu Asn Pro Ile Val Tyr Thr Val Lys Thr Lys Glu Ile Arg Lys Lys
 290 295 300
 Ile Ile Gln Ile Phe Ile Arg Thr Lys Ile Thr Thr Glu Gly
 305 310 315

<210> 1334

<211> 314
 <212> PRT
 <213> Mus musculus

<400> 1334

Met	Val	Ala	Ser	Ser	Asn	Ser	Ser	Ser	His	Pro	Leu	Phe	Phe	Met	Leu
1				5					10					15	
Leu	Gly	Ile	Pro	Gly	Leu	Glu	Asn	Tyr	Gln	Phe	Trp	Ile	Ala	Phe	Pro
			20					25					30		
Phe	Cys	Val	Met	Tyr	Ile	Val	Ala	Leu	Thr	Gly	Asn	Ile	Thr	Ile	Leu
		35					40					45			
Tyr	Ile	Ile	Arg	Ile	Asp	His	Thr	Leu	His	Glu	Pro	Met	Tyr	Leu	Phe
	50					55					60				
Leu	Ala	Leu	Leu	Ala	Ile	Thr	Asp	Leu	Val	Leu	Ser	Ser	Ser	Thr	Gln
65					70					75					80
Pro	Lys	Met	Leu	Ala	Ile	Leu	Trp	Phe	His	Ser	His	Glu	Ile	Glu	Tyr
				85					90					95	
Asn	Ala	Cys	Leu	Ile	Gln	Val	Phe	Phe	Ile	His	Ala	Phe	Ser	Ser	Val
			100					105					110		
Glu	Ser	Gly	Val	Leu	Met	Thr	Met	Ala	Leu	Asp	Arg	Tyr	Val	Ala	Ile
		115					120					125			
Cys	Phe	Pro	Leu	Arg	His	Ser	Ser	Ile	Leu	Thr	Thr	Ser	Val	Val	Ile
	130					135					140				
Lys	Leu	Gly	Ala	Ala	Val	Met	Val	Arg	Gly	Leu	Leu	Trp	Val	Ser	Pro
145					150					155					160
Phe	Cys	Phe	Met	Val	Ser	Arg	Met	Pro	Phe	Cys	Pro	Asn	Lys	Val	Ile
				165					170					175	
Pro	Gln	Ser	Tyr	Cys	Glu	His	Met	Ala	Val	Leu	Lys	Leu	Val	Cys	Ala
			180					185					190		
Asp	Thr	Arg	Val	Asn	Arg	Gly	Tyr	Gly	Leu	Phe	Val	Ala	Phe	Ser	Val
		195					200					205			
Val	Gly	Phe	Asp	Ile	Ile	Val	Ile	Ser	Val	Ser	Tyr	Val	Met	Ile	Leu
	210					215					220				
Arg	Ala	Val	Leu	Arg	Leu	Pro	Ser	Gly	Glu	Ala	Arg	Leu	Lys	Ala	Phe
225					230					235					240
Gly	Thr	Cys	Ala	Ser	His	Val	Cys	Val	Ile	Leu	Ala	Phe	Tyr	Ile	Pro
			245						250					255	
Ala	Leu	Phe	Thr	Phe	Leu	Thr	His	Arg	Phe	Gly	His	His	Val	Pro	Arg
			260					265					270		
Val	Val	His	Ile	Met	Phe	Ala	Asn	Phe	Tyr	Leu	Leu	Val	Pro	Pro	Met
		275					280					285			
Leu	Asn	Pro	Ile	Ile	Tyr	Gly	Val	Arg	Thr	Lys	Gln	Ile	Arg	Asp	Arg
	290					295					300				
Val	Ile	Arg	Gly	Phe	Arg	Arg	Lys	Asp	Pro						
305					310										

<210> 1335
 <211> 319
 <212> PRT
 <213> Mus musculus

<400> 1335

Met	Leu	Gln	Met	Gln	Asp	Asn	Thr	Glu	Phe	Leu	Ser	Asn	Phe	Thr	Ser
1				5					10					15	
Lys	Leu	Ser	Thr	Phe	Leu	Leu	Thr	Gly	Ile	Pro	Gly	Leu	Glu	Ser	Ala
			20					25					30		
His	Gly	Trp	Ile	Ser	Ile	Pro	Phe	Cys	Cys	Leu	Tyr	Ala	Thr	Ala	Leu
		35					40					45			

Ser	Gly	Asn	Ser	Met	Ile	Leu	Phe	Ile	Ile	Val	Thr	Gln	His	Ser	Leu
50						55					60				
His	Glu	Pro	Met	Tyr	Tyr	Phe	Leu	Ser	Val	Leu	Ser	Ala	Thr	Asp	Leu
65					70					75					80
Gly	Leu	Thr	Phe	Ser	Thr	Met	Ser	Thr	Thr	Leu	Arg	Ile	Leu	Trp	Phe
				85					90					95	
Gln	Ala	Asn	Glu	Ile	Ser	Leu	Asp	Leu	Cys	Ile	Val	Gln	Met	Phe	Phe
			100					105					110		
Leu	His	Gly	Phe	Thr	Cys	Thr	Glu	Ser	Gly	Val	Leu	Val	Ala	Met	Ala
		115					120					125			
Phe	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Lys	Pro	Leu	Arg	Tyr	Thr	Met	Ile
	130					135					140				
Leu	Thr	Asn	Ser	Arg	Ile	Ile	Gln	Ile	Gly	Phe	Leu	Val	Ile	Met	Arg
145					150					155					160
Thr	Leu	Leu	Leu	Ile	Ile	Pro	Leu	Leu	Leu	Leu	Lys	Pro	Val	Ser	
				165					170					175	
Phe	Cys	Lys	Arg	Asn	Thr	Leu	Ser	His	Ser	Tyr	Cys	Tyr	Tyr	Pro	Asp
			180					185					190		
Val	Ile	Lys	Leu	Ala	Cys	Ser	Asp	Thr	Arg	Ala	Asn	Asn	Ile	Cys	Gly
		195					200					205			
Leu	Val	Asp	Leu	Ile	Leu	Thr	Thr	Gly	Leu	Asp	Ile	Pro	Cys	Ile	Val
	210					215					220				
Leu	Ser	Tyr	Ile	Leu	Ile	Ile	Arg	Ser	Val	Leu	Asn	Ile	Ala	Ser	Ser
225					230					235					240
Glu	Glu	Arg	His	Lys	Ala	Phe	Ser	Thr	Cys	Val	Ser	His	Ile	Ala	Ala
				245					250					255	
Val	Ala	Val	Phe	Tyr	Ile	Pro	Met	Phe	Ser	Leu	Ser	Leu	Val	His	Arg
			260					265					270		
Tyr	Gly	Arg	Ser	Val	Pro	Lys	Val	Val	His	Thr	Met	Met	Ala	Asn	Val
	275						280					285			
Tyr	Leu	Leu	Leu	Pro	Pro	Val	Leu	Asn	Pro	Ile	Ile	Tyr	Ser	Val	Lys
	290					295					300				
Thr	Lys	Gln	Ile	Arg	Lys	Ala	Ile	Leu	Ser	Leu	Leu	Phe	Ala	Lys	
305					310					315					

<210> 1336

<211> 316

<212> PRT

<213> Mus musculus

<400> 1336

Met	Ser	Thr	Leu	Glu	Asn	Thr	Thr	Ala	Ser	Ser	Ile	Ile	Phe	Leu	Leu
1				5					10				15		
Thr	Gly	Met	Pro	Gly	Leu	Glu	Ala	Phe	His	Thr	Trp	Ile	Ser	Ile	Pro
			20					25					30		
Phe	Cys	Phe	Leu	Tyr	Ala	Thr	Ala	Leu	Ser	Gly	Asn	Ser	Leu	Ile	Leu
	35						40				45				
Phe	Ala	Ile	Ile	Thr	Gln	Pro	Ser	Leu	His	Glu	Pro	Thr	Tyr	Tyr	Phe
	50					55					60				
Leu	Ser	Met	Leu	Ser	Thr	Thr	Asp	Leu	Gly	Leu	Ser	Ile	Ser	Thr	Leu
65					70					75					80
Ala	Thr	Met	Leu	Gly	Ile	Phe	Trp	Leu	Asn	Ala	Arg	Glu	Ile	Ser	Phe
				85					90					95	
Asn	Ala	Cys	Leu	Ser	Gln	Met	Phe	Phe	Ile	Gln	Leu	Phe	Thr	Val	Met
			100					105					110		
Glu	Ser	Ser	Val	Leu	Leu	Ala	Met	Ala	Phe	Asp	Arg	Tyr	Val	Ala	Ile
		115					120					125			
Ser	Asn	Pro	Leu	Arg	Tyr	Ala	Ser	Val	Leu	Thr	Asp	Val	Lys	Ile	Val

130		135		140
Val Ile Gly Val Ala Ile	Ile Thr Arg Gly Thr	Leu Ile Gln Thr Pro		
145		150		160
Leu Ala Val Leu Leu Lys	Arg Leu Ser Phe Cys	Ser Ser His Val Leu		
		165		175
His His Ser Tyr Cys Phe	His Pro Asp Ile Met	Lys Leu Ser Cys Thr		
		180		190
Asp Thr Arg Ile Asn Ser	Ala Val Gly Leu Thr	Ala Leu Ile Ser Thr		
		195		205
Ala Gly Val Asp Ser Val	Phe Ile Ile Leu Ser	Tyr Val Leu Ile Ile		
		210		220
Arg Thr Val Leu Ser Ile	Ala Ser Pro Glu Glu	Arg Lys Lys Ala Phe		
225		230		240
Ser Thr Cys Ile Ser His	Ile Gly Ala Val Ala	Val Phe Tyr Ile Pro		
		245		255
Leu Ile Ser Leu Ser Phe	Val His Arg Phe Gly	Lys Arg Ala Pro Pro		
		260		270
Tyr Val His Thr Leu Ile	Ala Asn Ala Tyr Leu	Leu Ile Pro Pro Val		
		275		285
Met Asn Pro Ile Ile Tyr	Ser Val Lys Thr Lys	Gln Ile Arg Lys Ala		
		290		300
Val Leu Lys Val Leu His	Ser Ser Met Thr Lys	Ser		
305		310		315

<210> 1337
 <211> 322
 <212> PRT
 <213> Mus musculus

<400> 1337

Met Ser Pro Leu Ser Ala	Gln Asp Thr Ser Asn Ile	Ser Ser Leu Met
1	5	10
Ala Pro Thr Phe Leu Leu	Val Gly Leu Pro Gly	Leu Glu Ala Ala Pro
	20	25
Ser Trp Trp Ser Val Pro	Leu Ile Thr Ile Tyr	Leu Phe Ser Ala Phe
	35	40
Gly Asn Gly Thr Ile Leu	Trp Ile Ile Ala Leu	Glu Pro Thr Leu His
	50	55
Arg Pro Met Tyr Phe Phe	Leu Phe Leu Leu Ser	Val Ser Asp Val Gly
65	70	75
Leu Ala Thr Val Leu Met	Pro Thr Leu Leu Gly	Leu Ala Phe Ala Asp
	85	90
Ala His Thr Val Pro Ala	Ser Ala Cys Leu Leu	Gln Met Phe Phe Ile
	100	105
His Val Phe Ser Val Met	Glu Ser Ser Val Leu	Leu Ala Met Ala Phe
	115	120
Asp Arg Ala Val Ala Ile	Cys Arg Pro Leu His	Tyr Pro Val Leu Leu
	130	135
Thr Asn Gly Val Ile Arg	Lys Ile Ala Val Ala	Ile Ala Phe Arg Cys
145	150	155
Leu Ser Leu His Leu Pro	Leu Pro Ile Leu Leu	Ala Arg Met Pro Tyr
	165	170
Cys Arg Pro Gln Val Leu	Thr His Ser Tyr Cys	Leu His Pro Asp Met
	180	185
Ala Arg Leu Ala Cys Pro	Glu Ala Trp Gly Ala	Val Tyr Ser Leu Val
	195	200
Val Val Leu Ser Ala Met	Ala Leu Asp Pro Leu	Leu Ile Phe Phe Ser
210	215	220

Tyr	Gly	Leu	Ile	Gly	Arg	Ala	Leu	Gln	Gly	Val	Gly	Ser	Ala	Glu	Asp
225					230					235					240
Arg	Trp	Lys	Ala	Gly	Gln	Thr	Cys	Ala	Ala	His	Leu	Ser	Ala	Val	Leu
				245					250						255
Leu	Phe	Tyr	Ile	Pro	Met	Ile	Leu	Leu	Ala	Leu	Ile	Asp	Arg	Phe	Lys
				260					265				270		
Leu	Pro	Leu	Pro	Pro	Pro	Ala	His	Thr	Leu	Leu	Ser	Tyr	Val	His	Phe
				275				280					285		
Leu	Leu	Pro	Pro	Leu	Met	Asn	Pro	Val	Leu	Tyr	Ser	Val	Lys	Met	Lys
				290			295					300			
Glu	Ile	Arg	Glu	Lys	Ile	Leu	Lys	Arg	Leu	Leu	Pro	Thr	Lys	Val	Gly
305					310					315					320
Cys	Ala														

<210> 1338

<211> 316

<212> PRT

<213> Mus musculus

<400> 1338

Met	Gly	Ala	Glu	Asn	Asn	Glu	Ser	Leu	Asp	Leu	Leu	Ser	Ile	Phe	Leu
1				5					10					15	
Thr	Gly	Ile	Pro	Gly	Leu	Glu	Ala	Gln	His	Gly	Trp	Leu	Ser	Ile	Pro
			20					25					30		
Phe	Phe	Ile	Met	Tyr	Ile	Val	Ala	Ile	Val	Gly	Asn	Ser	Leu	Ile	Met
			35				40					45			
Ile	Ala	Val	Gln	Gln	Glu	Ser	Ala	Leu	His	Glu	Pro	Met	Tyr	Leu	Phe
	50					55					60				
Leu	Ser	Met	Leu	Ala	Ile	Thr	Glu	Val	Gly	Val	Ser	Val	Ser	Thr	Leu
65					70					75					80
Pro	Thr	Val	Met	Gly	Ile	Leu	Trp	Phe	Asn	Ala	Tyr	Arg	Ile	Asp	Phe
				85					90					95	
Asp	Gly	Cys	Leu	Ala	Gln	Met	Phe	Phe	Ile	His	Thr	Phe	Ser	Gly	Met
			100					105					110		
Glu	Ser	Gly	Val	Leu	Leu	Ala	Met	Ser	Tyr	Asp	Arg	Phe	Val	Ala	Ile
		115					120					125			
Tyr	Asn	Pro	Leu	Arg	Tyr	Thr	Ala	Ile	Leu	Thr	Leu	Pro	Arg	Ile	Ile
	130					135					140				
Ser	Met	Gly	Leu	Gly	Ile	Thr	Leu	Lys	Ser	Val	Ala	Leu	Met	Ala	Pro
145					150					155					160
Leu	Pro	Ile	Leu	Leu	Lys	Gln	Leu	Pro	Tyr	Cys	His	Ile	Asn	Ile	Leu
				165					170					175	
Ser	His	Ser	Tyr	Cys	Leu	His	Ser	Asp	Leu	Ile	Gln	Leu	Pro	Cys	Ala
			180					185					190		
Asp	Thr	Arg	Leu	Asn	Ser	Ile	Leu	Gly	Leu	Ala	Ile	Val	Leu	Ala	Thr
		195					200					205			
Phe	Gly	Leu	Asp	Ser	Leu	Leu	Ile	Val	Val	Ser	Tyr	Gly	Leu	Ile	Leu
	210					215					220				
Tyr	Thr	Val	Met	Gly	Ile	Ala	Ser	Gly	Glu	Gly	Arg	Lys	Lys	Thr	Leu
225					230					235					240
Asn	Thr	Cys	Val	Ser	His	Ile	Cys	Ala	Val	Leu	Ile	Tyr	Tyr	Val	Pro
				245					250						255
Met	Ile	Gly	Val	Ser	Val	Met	His	Arg	Val	Ala	Lys	His	Ala	Ser	Pro
			260					265					270		
Val	Val	His	Thr	Leu	Met	Ser	Ser	Ile	Tyr	Leu	Phe	Val	Pro	Pro	Val
		275					280					285			
Leu	Asn	Pro	Ile	Ile	Tyr	Ser	Val	Lys	Thr	Arg	Pro	Ile	Gln	Gln	Gly

290		295		300							
Ile	Ala	Asn	Leu	Phe	Ser	Cys	Lys	Lys	Gly	Ser	Ile
305					310					315	

<210> 1339
 <211> 317
 <212> PRT
 <213> Mus musculus

<400> 1339

Met	Val	Gly	Asn	Ile	Thr	His	Gln	Gln	Ile	Ala	Ser	Phe	Phe	Leu	Val
1			5					10						15	
Gly	Ile	Pro	Gly	Leu	Glu	Asn	Val	His	Cys	Trp	Ile	Gly	Ile	Ser	Val
			20					25					30		
Cys	Leu	Leu	Phe	Val	Leu	Thr	Leu	Leu	Gly	Asn	Ser	Ile	Val	Ile	Ala
		35					40				45				
Thr	Ile	Lys	Leu	Glu	Pro	Ser	Leu	His	Gln	Pro	Met	Tyr	Phe	Phe	Leu
	50					55					60				
Cys	Met	Leu	Ala	Met	Asn	Asp	Met	Cys	Leu	Ser	Ser	Ser	Ala	Ala	Leu
65					70				75						80
Lys	Met	Leu	Gly	Ile	Phe	Trp	Phe	Asp	Ala	His	Trp	Ile	Asn	Phe	Asp
			85					90					95		
Ala	Cys	Leu	Thr	Gln	Met	Tyr	Phe	Ile	His	Thr	Leu	Cys	Ile	Met	Glu
			100					105					110		
Ser	Ala	Ile	Leu	Val	Ala	Met	Ala	Phe	Asp	Arg	Phe	Val	Ala	Ile	Cys
	115						120					125			
Ile	Pro	Leu	His	Tyr	Ala	Ser	Ile	Leu	Thr	Thr	Ser	Met	Val	Ile	Lys
	130					135					140				
Leu	Gly	Leu	Val	Gly	Leu	Met	Arg	Cys	Val	Leu	Met	Val	Leu	Pro	Cys
145					150				155						160
Pro	Ile	Leu	Ile	Lys	Arg	Leu	Pro	Tyr	Tyr	Thr	Lys	Tyr	Val	Ile	Pro
			165						170					175	
His	Thr	Tyr	Cys	Glu	His	Met	Ala	Val	Val	Lys	Leu	Ala	Ser	Ala	Asn
			180					185					190		
Thr	Leu	Ile	Asn	Arg	Ala	Tyr	Gly	Ile	Ser	Val	Ala	Leu	Ser	Val	Ile
	195						200					205			
Thr	Val	Asp	Leu	Gly	Leu	Ile	Ala	Thr	Ser	Tyr	Val	Lys	Ile	Leu	Gln
	210					215					220				
Ser	Val	Phe	Arg	Leu	Ser	Ser	Gln	Asn	Ala	Arg	Ser	Lys	Ala	Leu	Gly
225					230				235						240
Thr	Cys	Ala	Ala	His	Val	Cys	Thr	Ile	Leu	Val	Ser	Tyr	Ile	Pro	Ala
				245				250						255	
Leu	Phe	Ser	Phe	Leu	Ser	His	Arg	Ile	Gly	Lys	Lys	Val	Pro	Pro	Ser
			260					265					270		
Val	His	Ile	Ile	Phe	Ala	Ser	Met	Tyr	Leu	Leu	Val	Pro	Ser	Ala	Val
	275						280					285			
Asn	Pro	Val	Val	Tyr	Gly	Val	Lys	Thr	Lys	Gln	Ile	Arg	Asp	Arg	Val
	290					295					300				
Ile	Asp	Leu	Phe	Phe	Thr	His	Lys	Lys	Phe	Ser	Glu	Lys			
305					310					315					

<210> 1340
 <211> 319
 <212> PRT
 <213> Mus musculus

<400> 1340

Met	Ser	Tyr	Ser	Asn	His	Ser	Ser	Thr	Ser	Phe	Phe	Leu	Thr	Gly	Leu
1				5					10					15	
Pro	Gly	Leu	Glu	Thr	Val	Tyr	Leu	Trp	Leu	Ser	Ile	Pro	Leu	Cys	Thr
			20					25					30		
Met	Tyr	Ile	Ala	Ser	Leu	Ala	Gly	Asn	Gly	Leu	Ile	Leu	Trp	Val	Val
		35					40					45			
Lys	Ser	Glu	Pro	Ser	Leu	His	Gln	Pro	Met	Tyr	Tyr	Phe	Leu	Ser	Met
	50					55					60				
Leu	Ala	Val	Thr	Asp	Leu	Gly	Leu	Ser	Val	Ser	Thr	Leu	Pro	Thr	Met
65					70					75					80
Leu	Thr	Ile	Tyr	Met	Met	Gly	Val	Ser	Glu	Val	Ala	Leu	Asp	Met	Cys
				85					90					95	
Leu	Ala	Gln	Leu	Phe	Phe	Ile	His	Thr	Phe	Ser	Ile	Met	Glu	Ser	Ser
			100					105					110		
Val	Leu	Leu	Thr	Met	Ala	Phe	Asp	Arg	Val	Val	Ala	Ile	Ser	Ser	Pro
		115					120					125			
Leu	His	Tyr	Ala	Thr	Ile	Leu	Thr	Asn	Pro	Arg	Val	Ala	Ser	Leu	Gly
	130					135					140				
Met	Val	Ile	Leu	Val	Arg	Ser	Ile	Gly	Leu	His	Ile	Pro	Ala	Pro	Ile
145					150					155					160
Met	Leu	Lys	Lys	Leu	Pro	Tyr	Cys	Gln	Lys	Arg	His	Leu	Ser	His	Ser
				165					170					175	
Tyr	Cys	Leu	His	Pro	Asp	Val	Met	Lys	Leu	Ala	Cys	Thr	Asp	Thr	Arg
			180					185					190		
Ile	Asn	Ser	Ala	Tyr	Gly	Leu	Phe	Val	Val	Leu	Ser	Thr	Leu	Gly	Val
		195					200					205			
Asp	Ser	Val	Leu	Ile	Val	Leu	Ser	Tyr	Gly	Leu	Ile	Leu	Tyr	Thr	Val
	210					215					220				
Leu	Ser	Ile	Ala	Ser	Lys	Thr	Glu	Arg	Leu	Lys	Ala	Leu	Asn	Thr	Cys
225					230					235					240
Val	Ser	His	Ile	Cys	Ser	Val	Leu	Leu	Phe	Tyr	Thr	Pro	Met	Ile	Gly
				245					250					255	
Leu	Ser	Met	Ile	His	Arg	Phe	Gly	Lys	Trp	Ala	Ser	Pro	Cys	Ser	Arg
			260					265					270		
Val	Leu	Leu	Ser	Tyr	Leu	His	Phe	Leu	Thr	Pro	Pro	Val	Leu	Asn	Pro
		275					280					285			
Val	Val	Tyr	Thr	Ile	Lys	Thr	Lys	Gln	Ile	Arg	Gln	Arg	Ile	Trp	Cys
	290					295					300				
Ile	Phe	Arg	Cys	Gly	Gly	Arg	Ser	Ile	Gly	His	Ile	Gln	Gly	His	
305					310					315					

<210> 1341

<211> 315

<212> PRT

<213> Mus musculus

<400> 1341

Met	Ala	Ile	Ser	Lys	His	Ser	Asn	Ala	Ser	Ser	Phe	Phe	Phe	Ile	Leu
1				5					10					15	
Met	Asp	Leu	Pro	Gly	Leu	Glu	Thr	Ser	His	Cys	Trp	Thr	Ala	Ile	Pro
			20					25					30		
Ile	Cys	Leu	Ile	Tyr	Val	Leu	Ser	Val	Leu	Gly	Asn	Ile	Thr	Ile	Met
		35					40					45			
His	Ile	Val	Lys	Ser	Val	Pro	Ser	Leu	His	Thr	Pro	Met	Tyr	Leu	Phe
	50					55					60				
Leu	Ser	Met	Leu	Ser	Met	Ala	Asp	Leu	Gly	Leu	Ser	Ala	Ser	Thr	Leu
65					70					75					80
Pro	Ser	Met	Val	Ala	Val	Phe	Leu	Leu	Gly	Gln	Arg	Met	Ile	Gly	Ala

Tyr	Ser	Tyr	Cys	Ile	His	Pro	Asn	Val	Met	Lys	Leu	Ala	Cys	Gly	Gln		
			180					185					190				
Val	Lys	Ile	Asn	Ile	Phe	Tyr	Gly	Leu	Val	Leu	Val	Ile	Phe	Ser	Phe		
		195					200					205					
Gly	Val	Asp	Phe	Leu	Leu	Ile	Ala	Ile	Ser	Tyr	Ala	Leu	Ile	Phe	Gln		
	210					215					220						
Ala	Val	Met	Gly	Ile	Ala	Ser	Arg	Glu	Gly	Gln	Met	Lys	Ala	Leu	Asn		
225				230					235						240		
Thr	Cys	Leu	Ser	His	Ile	Phe	Ile	Val	Phe	Ile	Tyr	Tyr	Gly	Pro	Leu		
				245					250					255			
Leu	Ala	Ile	Thr	Val	Met	His	Arg	Ile	Ser	Arg	Arg	Ser	Ser	Pro	Ile		
			260					265						270			
Ala	His	Ala	Val	Leu	Gly	Asn	Ile	Tyr	Leu	Phe	Met	Pro	Pro	Met	Leu		
		275				280						285					
Asn	Pro	Ile	Val	Tyr	Ser	Leu	Lys	Thr	Lys	Gln	Ile	Arg	Ser	Ala	Leu		
	290					295					300						
Arg	Lys	Ser	Leu	Lys	Ile	Gln	Arg	Arg									
305					310												

<210> 1343

<211> 314

<212> PRT

<213> Mus musculus

<400> 1343

Met	Thr	Thr	Leu	Asn	Tyr	Thr	Val	Val	Ser	His	Thr	Val	Phe	His	Leu		
1				5					10					15			
Leu	Gly	Ile	Pro	Gly	Leu	Glu	Asp	Gln	His	Met	Trp	Ile	Ser	Ile	Pro		
			20					25					30				
Phe	Phe	Ile	Ser	Tyr	Ile	Thr	Ala	Leu	Leu	Gly	Asn	Ser	Leu	Leu	Ile		
		35					40					45					
Phe	Ile	Ile	Leu	Thr	Arg	Pro	Ser	Leu	His	Gly	Pro	Met	Tyr	Leu	Phe		
	50					55				60							
Leu	Cys	Met	Leu	Ala	Gly	Ala	Asp	Ile	Val	Leu	Ser	Thr	Ser	Thr	Val		
65				70					75						80		
Pro	Gln	Ala	Leu	Ser	Ile	Phe	Trp	Phe	His	Ala	Gly	Glu	Ile	Ser	Leu		
			85					90						95			
Asp	Arg	Cys	Ile	Thr	Gln	Leu	Phe	Phe	Ile	His	Ser	Thr	Phe	Ile	Ser		
			100					105						110			
Glu	Ser	Gly	Ile	Leu	Leu	Val	Met	Ala	Phe	Asp	Arg	Tyr	Ile	Ala	Ile		
		115				120						125					
Cys	Tyr	Pro	Leu	Arg	Tyr	Thr	Thr	Val	Leu	Thr	Asn	Ser	Leu	Ile	Gly		
	130					135					140						
Lys	Ile	Gly	Val	Gly	Ile	Phe	Leu	Arg	Ser	Tyr	Gly	Thr	Ile	Phe	Pro		
145					150					155					160		
Ile	Ile	Phe	Leu	Leu	Lys	Arg	Leu	Thr	Phe	Cys	Lys	Asn	Asn	Ile	Ile		
			165					170						175			
Pro	His	Thr	Tyr	Cys	Glu	His	Ile	Gly	Leu	Ala	Lys	Tyr	Ala	Cys	Asn		
			180					185					190				
Ser	Ile	Arg	Val	Asn	Ile	Trp	Tyr	Gly	Phe	Ser	Val	Leu	Ile	Leu	Thr		
		195				200						205					
Val	Val	Leu	Asp	Val	Val	Leu	Ile	Phe	Val	Ser	Tyr	Val	Leu	Ile	Leu		
	210					215					220						
Arg	Ala	Val	Phe	Arg	Met	Pro	Ser	Gln	Asp	Ala	Arg	His	Lys	Ala	Leu		
225					230					235					240		
Asn	Thr	Cys	Gly	Ser	His	Val	Cys	Ile	Ile	Leu	Phe	Tyr	Gly	Pro			
			245						250					255			
Gly	Ile	Phe	Thr	Thr	Leu	Thr	Gln	Arg	Phe	Gly	Arg	His	Ile	Pro	Pro		

<212> PRT

<213> Mus musculus

<400> 1345

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Met Gly Gly Glu Ala His Asn Ser Ser Gly Leu Pro Pro Phe Ile Leu
 1      5      10      15
Thr Gly Leu Pro Gly Met Glu Thr Ser Gln His Trp Leu Phe Leu Leu
      20      25      30
Leu Gly Val Leu Tyr Thr Val Ser Ile Val Gly Asn Ala Leu Ile Leu
      35      40      45
Phe Ile Ile Lys Glu Glu Glu Ser Leu His Gln Pro Met Tyr Tyr Phe
      50      55      60
Leu Ser Leu Leu Ser Leu Asn Asp Leu Gly Val Ser Phe Ser Thr Leu
65      70      75      80
Thr Thr Val Leu Gly Val Phe Cys Phe Leu Leu Arg Glu Ile Ser Phe
      85      90      95
Asn Ser Cys Met Ser Gln Met Phe Phe Ile His Leu Phe Ser Phe Met
      100      105      110
Glu Ser Gly Ile Leu Leu Ala Met Ser Phe Asp Arg Tyr Val Ala Ile
      115      120      125
Cys Asn Pro Leu His Tyr Ser Thr Val Leu Thr Asp Ala Arg Val Met
      130      135      140
Trp Met Gly Val Cys Val Phe Phe Arg Ser Phe Cys Met Ile Phe Pro
145      150      155      160
Leu Pro Phe Leu Leu Lys Arg Leu Pro Phe Cys Lys Ala Asn Val Leu
      165      170      175
Ser His Ala Tyr Cys Leu His Pro Asp Met Ile Arg Leu Pro Cys Gly
      180      185      190
Asp Ile Thr Ile Asn Asn Ile Phe Gly Leu Phe Ile Val Ile Ser Thr
      195      200      205
Phe Gly Leu Asp Ser Ala Leu Ile Leu Leu Ser Tyr Val Leu Ile Leu
      210      215      220
Arg Ser Val Leu Ala Ile Ala Ser Arg Glu Glu Arg Leu Lys Thr Leu
225      230      235      240
Asn Thr Cys Val Ser His Leu Cys Ala Val Leu Ile Phe Tyr Val Pro
      245      250      255
Met Val Gly Val Ser Met Ala Ala Arg Tyr Gly Arg His Ala Pro Arg
      260      265      270
Tyr Val His Thr Leu Leu Ser Leu Val Tyr Leu Phe Val Pro Pro Met
      275      280      285
Leu Asn Pro Val Ile Tyr Ser Ile Lys Thr Lys Glu Ile Arg Arg Arg
      290      295      300
Leu His Lys Ile Leu Leu Gly Thr Lys Ile
305      310
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<210> 1346

<211> 320

<212> PRT

<213> Mus musculus

<400> 1346

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Met Thr Ser Ser Thr Tyr Leu Asn His Thr Asn Leu Arg Asp Ile Trp
 1      5      10      15
Tyr Thr Met Ile Gly Ile Pro Gly Leu Glu Asp Ala His Ile Trp Leu
      20      25      30
Ser Ile Pro Ile Phe Ser Met Tyr Ile Val Ala Val Ile Gly Asn Thr
      35      40      45
Phe Leu Ile Leu Leu Ile Ser Ile Glu His Ser Leu His Glu Pro Met
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50		55		60
Tyr Phe Phe Leu Thr Met	Leu Ala Leu Ala Asp	Ile Phe Leu Ser Thr		
65	70	75	80	
Val Thr Ile Pro Lys	Val Leu Ala Ile Phe Trp	Phe Gln Asp Arg Ser		
	85	90	95	
Ile Ser Phe Ala Ser Cys	Val Ser Gln Met Phe Phe	Leu His Phe Ile		
	100	105	110	
Phe Val Thr Glu Ser Gly	Ile Leu Leu Ser Met Ala	Phe Asp Arg Tyr		
	115	120	125	
Val Ala Ile Cys Tyr Pro	Leu Arg Tyr Thr Thr	Ile Leu Thr Pro Ser		
	130	135	140	
Val Ile Ile Lys Met Gly	Ile Ala Ala Val Thr	Arg Ser Phe Phe Ile		
145	150	155	160	
Cys Phe Pro Leu Ile Phe	Leu Val Tyr Arg Leu	Thr Tyr Cys Gly Lys		
	165	170	175	
Ser Ile Ile Arg His Ser	Tyr Cys Glu His Met Gly	Ile Ala Arg Leu		
	180	185	190	
Ala Cys Asp Ser Ile Lys	Val Asn Ile Tyr Tyr Gly	Leu Ile Val Ala		
	195	200	205	
Leu Phe Ser Ile Phe Leu	Asp Val Val Leu Ile Ile	Val Ser Tyr Ala		
	210	215	220	
Arg Ile Leu Cys Ala Val	Tyr Arg Ile Pro Ser	Gln Asp Ala Arg Leu		
225	230	235	240	
Lys Ala Leu Ser Thr Cys	Gly Ser His Val Cys	Val Ile Leu Leu Phe		
	245	250	255	
Tyr Met Pro Val Phe Phe	Ser Ser Leu Ala His Arg	Phe Gly Gly Asp		
	260	265	270	
Ser Ile Pro Leu His Val	His Ile Leu Leu Ala Asn	Leu Tyr Val Val		
	275	280	285	
Leu Pro Pro Ser Leu Asn	Pro Ile Ile Tyr Gly	Val Lys Thr Lys Gln		
	290	295	300	
Ile Gln Glu Arg Val Val	Gln Leu Phe Ser Leu	Asn Lys Val Ile Cys		
305	310	315	320	

<210> 1347

<211> 320

<212> PRT

<213> Mus musculus

<400> 1347

Met Ser Ser Cys Asn Phe Thr His Ala Thr Phe Leu Leu Ile Gly Ile	
1	5
Pro Gly Leu Glu Glu Ala His Phe Trp Phe Gly Phe Pro Leu Leu Ser	
	20
Met Tyr Ala Val Ala Leu Phe Gly Asn Cys Ile Val Val Phe Ile Val	
	35
Arg Thr Glu Arg Ser Leu His Ala Pro Met Tyr Leu Phe Leu Cys Met	
	50
Leu Ala Ala Ile Asp Leu Ala Leu Ser Thr Ser Thr Met Pro Lys Ile	
65	70
Leu Ala Leu Phe Trp Phe Asp Ser Arg Glu Ile Thr Phe Asp Ala Cys	
	85
Leu Ala Gln Met Phe Phe Ile His Thr Leu Ser Ala Ile Glu Ser Thr	
	100
Ile Leu Leu Ala Met Ala Phe Asp Arg Tyr Val Ala Ile Cys His Pro	
	115
Leu Arg His Ala Ala Val Leu Asn Asn Thr Val Thr Val Gln Ile Gly	
130	135
	140

Met	Val	Ala	Leu	Val	Arg	Gly	Ser	Leu	Phe	Phe	Phe	Pro	Leu	Pro	Leu
145					150					155					160
Leu	Ile	Lys	Arg	Leu	Ala	Phe	Cys	His	Ser	Asn	Val	Leu	Ser	His	Ser
				165					170					175	
Tyr	Cys	Val	His	Gln	Asp	Val	Met	Lys	Leu	Ala	Tyr	Thr	Asp	Thr	Leu
			180					185					190		
Pro	Asn	Val	Val	Tyr	Gly	Leu	Thr	Ala	Ile	Leu	Leu	Val	Met	Gly	Val
		195					200					205			
Asp	Val	Met	Phe	Ile	Ser	Leu	Ser	Tyr	Phe	Leu	Ile	Ile	Arg	Thr	Val
	210					215					220				
Leu	Gln	Leu	Pro	Ser	Lys	Ser	Glu	Arg	Ala	Lys	Ala	Phe	Gly	Thr	Cys
225					230					235					240
Val	Ser	His	Ile	Ser	Val	Val	Leu	Ala	Phe	Tyr	Val	Pro	Leu	Ile	Gly
				245					250					255	
Leu	Ser	Val	Val	His	Arg	Phe	Gly	Asn	Ser	Leu	Asp	Pro	Ile	Val	His
			260					265					270		
Val	Leu	Met	Gly	Asp	Val	Tyr	Leu	Leu	Leu	Pro	Pro	Val	Ile	Asn	Pro
		275					280					285			
Ile	Ile	Tyr	Gly	Ala	Lys	Thr	Lys	Gln	Ile	Arg	Thr	Arg	Val	Leu	Ala
	290					295					300				
Met	Phe	Lys	Ile	Ser	Cys	Asp	Lys	Asp	Ile	Glu	Ala	Gly	Gly	Asn	Thr
305					310					315					320

<210> 1348

<211> 329

<212> PRT

<213> Mus musculus

<400> 1348

Met	Ser	Asn	Thr	Ile	Ser	Gln	Thr	Met	Glu	Ser	Pro	Asn	His	Thr	Asp
1				5					10					15	
Leu	Asp	Pro	Ser	Ile	Phe	Phe	Leu	Leu	Gly	Ile	Pro	Gly	Leu	Glu	Gln
			20					25					30		
Phe	His	Met	Trp	Leu	Ser	Leu	Pro	Val	Cys	Cys	Leu	Gly	Thr	Ala	Thr
		35					40					45			
Ile	Val	Gly	Asn	Ile	Thr	Ile	Leu	Val	Val	Val	Ala	Thr	Glu	Pro	Thr
	50					55					60				
Leu	His	Arg	Pro	Val	Tyr	Leu	Phe	Leu	Cys	Met	Leu	Ser	Thr	Ile	Asp
65					70					75					80
Leu	Ala	Ala	Ser	Phe	Ser	Thr	Val	Pro	Lys	Leu	Leu	Ala	Ile	Leu	Trp
				85					90					95	
Cys	Gly	Ala	Gly	His	Ile	Ser	Ala	Ser	Ala	Cys	Leu	Thr	Gln	Met	Phe
			100					105					110		
Phe	Ile	His	Ala	Phe	Cys	Met	Met	Glu	Ser	Thr	Val	Leu	Leu	Ala	Met
		115					120					125			
Ala	Phe	Asp	Arg	Tyr	Val	Ala	Ile	Cys	His	Pro	Leu	Arg	Tyr	Ser	Thr
	130						135					140			
Ile	Leu	Thr	Asp	Thr	Ile	Ile	Ala	Arg	Ile	Gly	Val	Val	Ala	Met	Met
145					150					155					160
Arg	Gly	Ser	Leu	Leu	Met	Leu	Pro	Cys	Pro	Phe	Leu	Ile	Gly	Arg	Leu
				165					170					175	
Ser	Phe	Cys	Gln	Ser	His	Val	Ile	Pro	His	Thr	Tyr	Cys	Glu	His	Met
			180					185					190		
Ala	Val	Val	Lys	Leu	Ala	Cys	Gly	Asp	Thr	Arg	Pro	Asn	Arg	Val	Tyr
		195					200					205			
Gly	Leu	Thr	Ala	Ala	Leu	Leu	Val	Ile	Gly	Val	Asp	Leu	Phe	Cys	Ile
	210					215					220				
Gly	Leu	Ser	Tyr	Ala	Leu	Ile	Ala	Gln	Ala	Val	Phe	Arg	Leu	Ser	Ser

225					230					235					240
Gln	Glu	Ala	Arg	Ser	Lys	Ala	Leu	Gly	Thr	Cys	Gly	Ser	His	Val	Cys
				245					250					255	
Val	Ile	Leu	Ile	Ser	Tyr	Thr	Pro	Ala	Leu	Phe	Ser	Phe	Phe	Thr	His
			260					265						270	
Arg	Phe	Gly	His	His	Val	Pro	Leu	His	Ile	His	Ile	Leu	Leu	Ala	Asn
		275					280					285			
Val	Tyr	Leu	Leu	Phe	Pro	Pro	Ala	Leu	Asn	Pro	Val	Val	Tyr	Gly	Val
	290					295					300				
Lys	Thr	Arg	Glu	Ile	Arg	Glu	Arg	Val	Ala	Lys	Val	Phe	Gln	Trp	Gly
305					310					315					320
Gln	Gly	Thr	Arg	Leu	Lys	Ile	Ser	Lys							
				325											

<210> 1349
 <211> 317
 <212> PRT
 <213> Mus musculus

<400> 1349

Met	Met	Leu	Ser	Ala	Ala	Ile	Pro	Asn	Gly	Thr	Ala	Phe	His	Pro	Pro
1				5					10					15	
Thr	Phe	Val	Leu	Gly	Ile	Pro	Gly	Met	Gln	Asp	Gln	His	Val	Trp	
		20					25					30			
Ile	Ala	Ile	Pro	Phe	Cys	Ser	Met	Tyr	Ile	Leu	Ala	Leu	Val	Gly	Asn
		35				40					45				
Gly	Thr	Ile	Leu	Tyr	Ile	Ile	Ile	Thr	Asp	Arg	Ala	Leu	His	Glu	Pro
	50				55				60						
Met	Tyr	Leu	Phe	Leu	Cys	Leu	Leu	Ser	Ile	Thr	Asp	Leu	Val	Leu	Cys
65				70					75					80	
Ser	Thr	Thr	Leu	Pro	Lys	Met	Leu	Ala	Ile	Phe	Trp	Leu	Arg	Ser	His
			85					90					95		
Val	Ile	Ser	Tyr	His	Gly	Cys	Leu	Thr	Gln	Met	Phe	Phe	Val	His	Ala
		100					105						110		
Val	Phe	Ala	Thr	Glu	Ser	Ala	Val	Leu	Leu	Ala	Met	Ala	Phe	Asp	Arg
	115					120					125				
Tyr	Val	Ala	Ile	Cys	Arg	Pro	Leu	His	Tyr	Thr	Ser	Ile	Leu	Asn	Ala
	130					135					140				
Val	Val	Ile	Gly	Lys	Ile	Gly	Leu	Ala	Cys	Val	Thr	Arg	Gly	Leu	Leu
145				150					155					160	
Phe	Val	Phe	Pro	Phe	Val	Ile	Leu	Ile	Glu	Arg	Leu	Pro	Phe	Cys	Gly
			165						170				175		
His	His	Ile	Ile	Pro	His	Thr	Tyr	Cys	Glu	His	Met	Gly	Ile	Ala	Lys
		180						185				190			
Leu	Ala	Cys	Ala	Ser	Ile	Lys	Pro	Asn	Thr	Ile	Tyr	Gly	Leu	Thr	Val
	195					200						205			
Ala	Leu	Ser	Val	Thr	Gly	Met	Asp	Val	Val	Leu	Ile	Ala	Thr	Ser	Tyr
	210					215					220				
Ile	Leu	Ile	Leu	Gln	Ala	Val	Leu	Arg	Leu	Pro	Ser	Lys	Asp	Ala	Gln
225				230					235					240	
Phe	Arg	Ala	Phe	Ser	Thr	Cys	Gly	Ala	His	Ile	Cys	Val	Ile	Leu	Val
			245					250					255		
Phe	Tyr	Ile	Pro	Ala	Phe	Phe	Ser	Phe	Phe	Thr	His	Arg	Phe	Gly	His
		260					265					270			
His	Val	Pro	Pro	Gln	Val	His	Ile	Leu	Ala	Asn	Leu	Tyr	Leu	Leu	
		275				280					285				
Val	Pro	Pro	Val	Leu	Asn	Pro	Leu	Val	Tyr	Gly	Ile	Asn	Thr	Lys	Gln
	290				295						300				

Ile Arg Leu Arg Ile Leu Asp Phe Phe Val Lys Arg Arg
 305 310 315

<210> 1350
 <211> 318
 <212> PRT
 <213> Mus musculus

<400> 1350
 Met Ile Ser Ser Lys Ala Phe Val Asn Ile Thr Phe Phe Gln Pro Gln
 1 5 10 15
 Ser Phe Leu Met Thr Gly Ile Pro Gly Leu Glu Phe Ala His Gly Trp
 20 25 30
 Ile Ser Ile Pro Phe Ser Ser Met Tyr Thr Val Ala Leu Thr Gly Asn
 35 40 45
 Cys Leu Ile Leu Leu Ala Val Arg Arg Thr His Ser Leu His Gln Pro
 50 55 60
 Met Tyr Tyr Phe Leu Ser Met Leu Ala Leu Ser Asp Val Gly Leu Ser
 65 70 75 80
 Leu Ser Thr Leu Pro Ser Thr Leu Ala Val Leu Trp Phe Asp Tyr Arg
 85 90 95
 Phe Ile Asp Phe Asn Ala Cys Leu Ile Gln Met Phe Phe Leu His Phe
 100 105 110
 Phe Ser Val Val Glu Ser Ser Val Leu Leu Ala Met Ser Phe Asp Arg
 115 120 125
 Phe Val Ala Ile Ser Asn Pro Leu Arg Tyr Ala Ser Val Leu Thr Asn
 130 135 140
 Asn Val Ile Ile Arg Ile Gly Val Ala Ile Thr Thr Arg Ala Thr Leu
 145 150 155 160
 Ser Leu Leu Pro Leu Pro Phe Leu Leu Lys Arg Leu Asn Tyr Cys Pro
 165 170 175
 Gly Lys Ile Leu Leu Ser His Ser Phe Cys Phe His Ala Asp Val Met
 180 185 190
 Lys Leu Ala Cys Ala Asp Ile Thr Val Asn Ile Leu Tyr Gly Leu Tyr
 195 200 205
 Val Val Leu Ser Thr Val Gly Ile Asp Ser Leu Leu Ile Val Met Ser
 210 215 220
 Tyr Ser Leu Ile Leu His Thr Val Met Gly Leu Ala Ser Pro Arg Glu
 225 230 235 240
 Arg Val Arg Thr Leu Asn Thr Cys Val Ser His Ile Leu Ala Val Leu
 245 250 255
 Val Phe Tyr Ile Pro Val Ile Gly Val Ser Met Ile His Arg Phe Gly
 260 265 270
 Lys His Leu Pro His Ile Val His Ala Leu Val Ala Tyr Val Tyr Leu
 275 280 285
 Val Val Pro Pro Val Leu Asn Pro Ile Ile Tyr Ser Val Lys Ser Lys
 290 295 300
 Pro Ile Arg Gly Ala Met Phe Arg Val Leu Ser Arg Lys Gly
 305 310 315

<210> 1351
 <211> 312
 <212> PRT
 <213> Mus musculus

<400> 1351
 Met Ala Leu Phe Asn Val Thr His Pro Ala Ser Phe Leu Leu Thr Gly

1				5					10					15			
Ile	Pro	Gly	Leu	Glu	Ser	Leu	His	Pro	Trp	Leu	Ala	Gly	Pro	Leu	Cys		
			20					25					30				
Val	Met	Tyr	Ala	Val	Ala	Leu	Gly	Ala	Asn	Thr	Val	Ile	Leu	Gln	Ala		
		35					40					45					
Val	Arg	Val	Glu	Pro	Ile	Leu	His	Ala	Pro	Met	Tyr	Tyr	Phe	Leu	Ser		
	50					55					60						
Met	Leu	Ser	Phe	Ser	Asp	Val	Ala	Met	Ser	Met	Ala	Thr	Leu	Pro	Thr		
65					70					75					80		
Val	Leu	Arg	Thr	Phe	Cys	Phe	Asp	Ala	Arg	Ser	Ile	Ala	Phe	Asp	Ala		
				85					90					95			
Cys	Leu	Val	Gln	Met	Phe	Leu	Ile	His	Ser	Phe	Ser	Met	Met	Glu	Ser		
			100					105					110				
Gly	Ile	Leu	Leu	Ala	Met	Ser	Phe	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Asn		
		115					120					125					
Pro	Leu	His	Tyr	Ala	Thr	Val	Leu	Thr	Asn	Glu	Phe	Ile	Ala	Gly	Met		
	130					135					140						
Gly	Leu	Ala	Val	Thr	Ala	Arg	Ser	Phe	Ile	Thr	Leu	Phe	Pro	Leu	Pro		
145					150					155					160		
Phe	Leu	Ile	Lys	Arg	Leu	Pro	Ile	Cys	Lys	Ser	Asn	Val	Leu	Ser	His		
			165					170						175			
Ser	Tyr	Cys	Leu	His	Pro	Asp	Met	Met	Lys	Leu	Ala	Cys	Ala	Asp	Ile		
			180					185					190				
Thr	Ile	Asn	Ser	Ile	Tyr	Gly	Leu	Phe	Val	Leu	Val	Ser	Thr	Phe	Gly		
		195				200						205					
Met	Asp	Leu	Leu	Phe	Ile	Phe	Leu	Ser	Tyr	Val	Leu	Ile	Leu	Arg	Ser		
	210					215				220							
Val	Met	Ala	Ile	Ala	Ser	His	Glu	Glu	Arg	Leu	Lys	Ala	Leu	Asn	Thr		
225					230					235					240		
Cys	Val	Ser	His	Ile	Leu	Ala	Val	Leu	Ala	Phe	Tyr	Val	Pro	Met	Ile		
			245						250					255			
Gly	Val	Ser	Thr	Val	His	Arg	Phe	Gly	Lys	His	Ala	Pro	Arg	Tyr	Ile		
			260					265					270				
His	Val	Leu	Met	Ser	Asn	Val	Tyr	Leu	Phe	Val	Pro	Pro	Val	Leu	Asn		
		275				280					285						
Pro	Leu	Ile	Tyr	Ser	Ala	Lys	Thr	Lys	Glu	Ile	Arg	Arg	Ala	Ile	Phe		
	290					295					300						
Arg	Met	Phe	Arg	Arg	Ile	Lys	Leu										
305					310												

<210> 1352

<211> 309

<212> PRT

<213> Mus musculus

<400> 1352

Met	Glu	Pro	Arg	Asn	Asn	Thr	His	Ile	Leu	Glu	Phe	Phe	Leu	Leu	Gly		
1				5					10				15				
Phe	Ser	Gln	Asp	Pro	Asn	Leu	Gln	Pro	Val	Ile	Cys	Gly	Leu	Phe	Leu		
		20						25				30					
Ser	Met	Tyr	Leu	Ile	Thr	Val	Val	Gly	Asn	Leu	Leu	Ile	Ile	Leu	Thr		
		35				40					45						
Ile	Ile	Ser	Asp	Ala	Asn	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Ser		
	50					55					60						
Asn	Leu	Ser	Phe	Val	Asp	Ile	Cys	Phe	Val	Ser	Thr	Thr	Val	Pro	Lys		
65					70					75					80		
Met	Leu	Val	Asn	Ile	Gln	Thr	Lys	Arg	Lys	Ser	Ile	Ser	Tyr	Ala	Asp		
			85						90					95			

Cys	Ile	Thr	Gln	Met	Tyr	Phe	Phe	Leu	Ile	Phe	Val	Glu	Leu	Asp	Asn		
			100					105					110				
Phe	Leu	Leu	Ala	Val	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	His		
		115					120					125					
Pro	Leu	His	Tyr	Thr	Gly	Ile	Met	Asn	Arg	Arg	Leu	Cys	Gly	Phe	Leu		
	130					135					140						
Val	Leu	Val	Cys	Trp	Ile	Val	Ser	Val	Leu	His	Ala	Leu	Leu	Gln	Ser		
145					150					155					160		
Met	Met	Val	Leu	Arg	Leu	Ser	Phe	Cys	Thr	Asp	Leu	Glu	Ile	Pro	His		
				165					170					175			
Phe	Phe	Cys	Glu	Leu	Asn	Gln	Val	Ala	Gln	Leu	Thr	Cys	Ser	Asp	Thr		
			180					185					190				
Phe	Leu	Asn	Asp	Val	Val	Met	Tyr	Phe	Ala	Leu	Val	Leu	Leu	Ala	Ile		
		195					200					205					
Val	Pro	Leu	Phe	Gly	Ile	Leu	Tyr	Ser	Tyr	Ser	Lys	Ile	Val	Ser	Ser		
	210					215					220						
Ile	Arg	Ala	Met	Ser	Thr	Val	Gln	Gly	Lys	Tyr	Lys	Ala	Phe	Ser	Thr		
225					230					235					240		
Cys	Ala	Ser	His	Leu	Ser	Val	Val	Ser	Leu	Phe	Tyr	Phe	Thr	Gly	Leu		
				245					250					255			
Gly	Val	Tyr	Leu	Ser	Ser	Ala	Val	Ser	His	Ser	Ser	Gln	Ala	Ser	Ala		
			260					265					270				
Thr	Ala	Ser	Val	Met	Tyr	Thr	Val	Val	Thr	Pro	Met	Leu	Asn	Pro	Phe		
		275					280					285					
Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Val	Lys	Gly	Ala	Leu	Lys	Arg	Leu		
	290				295						300						
Leu	Gly	Val	Lys	Leu													
305																	

<210> 1353

<211> 312

<212> PRT

<213> Mus musculus

<400> 1353

Met	Pro	Ser	Asn	Asn	Glu	Thr	Ala	Ser	His	Pro	Ser	Leu	Phe	His	Leu		
1			5					10					15				
Leu	Gly	Ile	Pro	Gly	Leu	Glu	Ala	Phe	His	Ile	Trp	Ile	Ala	Phe	Pro		
			20					25				30					
Phe	Phe	Val	Val	Tyr	Leu	Ile	Ala	Leu	Val	Gly	Asn	Phe	Thr	Ile	Leu		
		35					40				45						
Cys	Val	Ile	Lys	Asn	Glu	Gln	Ser	Leu	His	Gln	Pro	Met	Phe	Tyr	Phe		
	50				55					60							
Leu	Ala	Leu	Leu	Ser	Phe	Ile	Asp	Leu	Gly	Leu	Ser	Thr	Ser	Thr	Ile		
65				70					75					80			
Pro	Lys	Met	Leu	Gly	Ile	Phe	Trp	Phe	Asn	Leu	Arg	Glu	Ile	Ser	Phe		
			85					90					95				
Glu	Gly	Cys	Leu	Ile	Gln	Met	Phe	Phe	Ile	His	Thr	Tyr	Thr	Gly	Met		
			100					105					110				
Glu	Ser	Val	Val	Leu	Leu	Ala	Met	Ala	Ile	Asp	Arg	Phe	Val	Ala	Ile		
		115					120					125					
Cys	Tyr	Pro	Leu	Arg	Tyr	Thr	Ser	Val	Leu	Thr	Asn	Lys	Val	Val	Ala		
	130					135					140						
Val	Met	Ala	Ser	Val	Val	Ile	Gly	Arg	Pro	Val	Leu	Leu	Val	Ile	Pro		
145					150					155					160		
Phe	Cys	Pro	Leu	Leu	Lys	Arg	Leu	Pro	Phe	Cys	Gly	His	Tyr	Ile	Ile		
				165					170					175			
Pro	His	Thr	Tyr	Cys	Glu	His	Met	Gly	Ile	Ala	Arg	Leu	Ala	Cys	Ala		

			180					185					190				
Asn	Ile	Arg	Ile	Asn	Ile	Ile	Tyr	Gly	Leu	Phe	Thr	Ile	Ala	Ala	Leu		
		195					200					205					
Ile	Phe	Asp	Leu	Ile	Leu	Ile	Ala	Phe	Ser	Tyr	Ala	Trp	Ile	Leu	Gln		
	210					215					220						
Ala	Val	Phe	Arg	Leu	Pro	Ser	Arg	Asp	Ala	Arg	His	Lys	Ala	Leu	Ser		
225					230				235					240			
Thr	Cys	Gly	Ser	His	Val	Cys	Val	Ile	Leu	Ala	Phe	Tyr	Thr	Pro	Ala		
			245						250					255			
Phe	Phe	Ser	Phe	Met	Thr	His	Arg	Phe	Gly	Arg	Asn	Val	Pro	Arg	Tyr		
			260					265					270				
Ile	His	Ile	Leu	Leu	Ala	Asn	Leu	Tyr	Val	Val	Val	Pro	Pro	Cys	Leu		
	275						280					285					
Asn	Pro	Val	Ile	Tyr	Gly	Val	Arg	Thr	Lys	Gln	Ile	Arg	Glu	Gly	Val		
	290					295					300						
Leu	Lys	Ile	Phe	Val	Lys	Lys	Glu										
305					310												

<210> 1354

<211> 317

<212> PRT

<213> Mus musculus

<400> 1354

Met	Ile	Phe	Ser	Asn	Asn	Ser	His	Leu	Leu	Pro	His	Thr	Phe	Phe	Leu		
1				5				10					15				
Thr	Gly	Ile	Pro	Gly	Leu	Thr	Ala	Ala	His	Val	Trp	Ile	Ser	Leu	Pro		
			20				25					30					
Phe	Cys	Phe	Met	Phe	Val	Leu	Ser	Leu	Thr	Gly	Asn	Ala	Val	Leu	Leu		
	35					40					45						
Ser	Leu	Ile	Trp	Ile	Glu	His	Arg	Leu	His	Gln	Pro	Met	Phe	Leu	Phe		
	50				55					60							
Leu	Ala	Met	Leu	Ser	Phe	Val	Asp	Leu	Val	Leu	Ser	Leu	Ser	Thr	Leu		
65				70				75						80			
Pro	Lys	Met	Leu	Ala	Ile	Phe	Trp	Phe	Gly	Ala	Thr	Ala	Ile	Ser	Ser		
			85					90				95					
Tyr	Ala	Cys	Leu	Ser	Gln	Met	Phe	Leu	Ile	His	Ala	Phe	Ser	Ala	Met		
	100					105						110					
Glu	Ser	Gly	Val	Leu	Val	Ala	Met	Ala	Leu	Asp	Arg	Phe	Val	Ala	Ile		
	115					120					125						
Cys	Asn	Pro	Leu	His	Tyr	Ala	Thr	Ile	Leu	Thr	Pro	Glu	Val	Val	Ala		
	130					135					140						
Lys	Ile	Gly	Gly	Leu	Val	Ala	Leu	Arg	Gly	Val	Gly	Leu	Thr	Ile	Phe		
145				150					155					160			
Phe	Pro	Ser	Leu	Ala	Cys	Arg	Leu	Ser	Tyr	Cys	Gly	Ser	His	Thr	Ile		
			165					170					175				
Ala	Tyr	Thr	Tyr	Cys	Glu	His	Met	Ser	Val	Val	Lys	Leu	Ala	Cys	Gly		
			180					185				190					
Ala	Ile	Thr	Val	Asp	Ser	Leu	Tyr	Ala	Phe	Ala	Val	Ala	Ile	Phe	Leu		
	195					200					205						
Gly	Val	Gly	Asp	Met	Ala	Phe	Ile	Ala	Tyr	Ser	Tyr	Gly	Gln	Ile	Val		
	210				215						220						
Lys	Thr	Val	Met	Arg	Phe	Pro	Ser	Pro	Glu	Ala	Arg	Gly	Lys	Ala	Gly		
225				230					235					240			
Ser	Thr	Cys	Thr	Ala	His	Val	Cys	Val	Ile	Leu	Phe	Phe	Tyr	Gly	Pro		
			245						250					255			
Gly	Phe	Leu	Ser	Val	Val	Met	Gln	Arg	Phe	Gly	Pro	Ser	Thr	Ala	Ser		
			260					265					270				

Ala	Ala	Lys	Val	Ile	Leu	Ala	Asn	Leu	Tyr	Leu	Leu	Phe	Pro	Pro	Ala
		275					280					285			
Leu	Asp	Pro	Ile	Val	Tyr	Gly	Val	Lys	Thr	Lys	Gln	Ile	Arg	Glu	Cys
	290					295					300				
Leu	Phe	Thr	Ile	Ile	Gly	Ser	Lys	Lys	Ile	Glu	Pro	Thr			
305					310					315					

<210> 1355
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 <212> PRT
 <213> Mus musculus

<400> 1355

Met	Glu	Lys	Trp	Asn	Gln	Ser	Ser	Ser	Asp	Phe	Thr	Leu	Leu	Gly	Leu
1				5					10					15	
Leu	Pro	Gln	Asn	Gln	Thr	Gly	Leu	Leu	Leu	Leu	Met	Leu	Ile	Ile	Phe
			20					25					30		
Val	Phe	Ser	Leu	Ala	Leu	Cys	Gly	Asn	Ser	Gly	Met	Ile	His	Leu	Ile
		35					40					45			
Arg	Val	Asp	Pro	Arg	Leu	His	Thr	Pro	Met	Tyr	Phe	Leu	Leu	Ser	Gln
	50					55					60				
Leu	Ser	Leu	Met	Asp	Leu	Met	Tyr	Ile	Ser	Thr	Thr	Val	Pro	Lys	Met
65					70					75					80
Ala	Phe	Asn	Phe	Leu	Ser	Gly	Gln	Lys	Ser	Ile	Ser	Phe	Leu	Gly	Cys
			85						90					95	
Gly	Val	Gln	Ser	Phe	Phe	Phe	Leu	Thr	Met	Ala	Cys	Ser	Glu	Gly	Leu
			100					105					110		
Leu	Leu	Ala	Ser	Met	Ala	Tyr	Asp	Arg	Phe	Val	Ala	Ile	Cys	His	Pro
		115					120					125			
Leu	His	Tyr	Pro	Ile	Arg	Met	Ser	Lys	Ile	Met	Cys	Leu	Lys	Met	Ile
	130					135					140				
Ile	Gly	Ser	Trp	Ile	Leu	Gly	Ser	Ile	Asn	Ser	Leu	Ala	His	Thr	Val
145					150					155					160
Tyr	Ala	Leu	His	Ile	Pro	Tyr	Cys	His	Ser	Arg	Ser	Ile	Asn	His	Phe
				165					170					175	
Phe	Cys	Asp	Val	Pro	Ala	Met	Leu	Pro	Leu	Ala	Cys	Met	Asp	Thr	Trp
		180						185					190		
Val	Tyr	Glu	Tyr	Met	Val	Phe	Val	Ser	Thr	Ser	Leu	Phe	Leu	Leu	Leu
		195					200					205			
Pro	Phe	Leu	Gly	Ile	Thr	Ala	Ser	Tyr	Gly	Arg	Val	Leu	Phe	Ala	Val
	210					215					220				
Phe	His	Met	Arg	Ser	Lys	Glu	Gly	Lys	Lys	Lys	Ala	Phe	Thr	Thr	Cys
225					230					235					240
Ser	Thr	His	Leu	Thr	Val	Val	Thr	Phe	Tyr	Tyr	Ala	Pro	Phe	Val	Tyr
				245					250					255	
Thr	Tyr	Leu	Arg	Pro	Arg	Ser	Leu	Arg	Ser	Pro	Thr	Glu	Asp	Lys	Ile
		260						265					270		
Leu	Ala	Val	Phe	Tyr	Thr	Ile	Leu	Thr	Pro	Met	Leu	Asn	Pro	Ile	Ile
		275					280					285			
Tyr	Ser	Leu	Arg	Asn	Lys	Glu	Val	Leu	Gly	Ala	Met	Thr	Arg	Val	Leu
	290					295					300				
Gly	Thr	Phe	Pro	Ser	Thr	Lys	Pro								
305					310										

<210> 1356
 <211> 321
 <212> PRT

<213> Mus musculus

<400> 1356

Met	Tyr	Ser	Ile	Arg	Phe	Thr	Met	Asn	Met	Lys	Tyr	Ile	Asn	Gln	Thr
1				5					10					15	
Val	Val	Ser	Gly	Phe	Ile	Leu	Leu	Gly	Leu	Thr	Asp	Asp	Thr	Lys	Leu
			20					25					30		
Gln	Leu	Ile	Ile	Phe	Ser	Val	Phe	Leu	Ser	Met	Tyr	Leu	Ala	Thr	Val
		35					40					45			
Ile	Gly	Asn	Leu	Leu	Ile	Ile	Leu	Ala	Thr	Asn	Phe	Asp	Ser	His	Leu
	50					55					60				
His	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Ser	Val	Leu	Ser	Phe	Asn	Asp	Ile
65					70					75					80
Phe	Leu	Val	Thr	Cys	Thr	Ile	Pro	Lys	Met	Leu	Val	Asn	Ile	Gln	Thr
				85					90					95	
Gly	Asn	Gln	Asn	Ile	Thr	Tyr	Gly	Gly	Cys	Leu	Thr	Gln	Val	Cys	Phe
			100					105					110		
Val	Leu	Val	Ser	Val	Gly	Met	Glu	Asn	Cys	Leu	Leu	Ala	Ala	Met	Ala
		115					120					125			
Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	His	Pro	Leu	Arg	Tyr	Arg	Ile	Ile
	130					135					140				
Met	Asn	Pro	Tyr	Leu	Cys	Ile	Leu	Met	Val	Ala	Phe	Ser	Met	Ile	Gly
145					150					155					160
Ser	Met	Ala	Asn	Ala	Leu	Val	Asn	Gly	Leu	Met	Val	Leu	His	Leu	Ser
				165					170					175	
Phe	Cys	Thr	Glu	Leu	Ile	Ile	Pro	His	Phe	Phe	Cys	Glu	Leu	Thr	Gln
			180					185					190		
Ile	Thr	Lys	Leu	Ala	Cys	Ser	Asn	Thr	Leu	Ile	Asp	Asn	Ile	Leu	Ile
		195					200					205			
Tyr	Ile	Ser	Ser	Cys	Ile	Phe	Gly	Gly	Val	Pro	Leu	Ser	Gly	Ile	Ile
	210					215					220				
Leu	Ser	Tyr	Cys	Gln	Ile	Ala	Thr	Thr	Val	Leu	Arg	Met	Ser	Ser	Ser
225					230					235					240
Glu	Gly	Arg	Tyr	Lys	Ala	Phe	Ser	Thr	Cys	Gly	Ser	His	Leu	Ser	Val
				245					250					255	
Val	Phe	Leu	Phe	Tyr	Gly	Thr	Gly	Phe	Gly	Val	Tyr	Ile	Ser	Ser	Thr
			260					265					270		
Ile	Thr	Glu	Ser	Ser	Arg	Lys	Ser	Ala	Val	Ala	Ser	Val	Leu	Tyr	Ser
		275					280					285			
Val	Val	Pro	Gln	Met	Ile	Asn	Pro	Phe	Ile	Tyr	Ser	Leu	Arg	Asn	Arg
	290					295					300				
Asp	Met	Lys	Glu	Ala	Leu	Lys	Lys	Leu	Ile	Ser	Arg	Ile	Leu	Phe	Pro
305					310					315					320
Leu															

<210> 1357

<211> 311

<212> PRT

<213> Mus musculus

<400> 1357

Met	Gly	Thr	Phe	Asn	Ala	Ser	Leu	Gly	Lys	Gly	Phe	Ile	Leu	Val	Gly
1				5					10					15	
Phe	Ser	Asp	Phe	Pro	Gln	Leu	Glu	Val	Phe	Leu	Phe	Val	Phe	Ile	Leu
			20					25					30		
Val	Phe	Tyr	Leu	Leu	Thr	Leu	Leu	Gly	Asn	Thr	Thr	Ile	Ile	Ala	Leu
		35					40					45			

Ser	Arg	Leu	Asp	Val	Arg	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Ser
50						55					60				
His	Leu	Ser	Phe	Leu	Asp	Leu	Cys	Tyr	Thr	Thr	Ser	Thr	Val	Pro	Gln
65					70					75					80
Leu	Leu	Ile	Asn	Leu	Cys	Gly	Leu	Asp	Arg	Thr	Ile	Ser	Tyr	Gly	Gly
			85					90						95	
Cys	Val	Ala	Gln	Leu	Leu	Ile	Phe	Leu	Ala	Leu	Val	Ser	Thr	Glu	Cys
			100					105					110		
Leu	Leu	Leu	Gly	Val	Met	Ala	Phe	Asp	Arg	Tyr	Ala	Ala	Val	Cys	Arg
		115					120					125			
Pro	Leu	His	Tyr	Thr	Thr	Ile	Met	His	Pro	Gln	Leu	Cys	Gln	Gly	Leu
	130					135					140				
Ala	Ile	Ser	Ser	Trp	Val	Ser	Gly	Leu	Val	Asn	Ser	Val	Ile	Gln	Thr
145					150					155					160
Gly	Leu	Val	Met	Ala	Met	Pro	Leu	Cys	Ser	His	Arg	Leu	Asn	His	Phe
				165					170					175	
Phe	Cys	Glu	Met	Pro	Ile	Phe	Leu	Lys	Leu	Ala	Cys	Glu	Asp	Thr	Asn
			180					185					190		
Gly	Thr	Glu	Val	Lys	Met	Phe	Val	Ala	Arg	Thr	Ile	Ile	Leu	Ile	Phe
		195					200					205			
Pro	Ala	Ala	Leu	Ile	Leu	Gly	Ser	Tyr	Gly	His	Ile	Ala	Arg	Ala	Ile
	210					215					220				
Leu	Arg	Ile	Lys	Ser	Met	Ala	Gly	Arg	Arg	Lys	Ala	Phe	Gly	Thr	Cys
225					230					235					240
Gly	Ser	His	Leu	Ile	Val	Val	Ser	Leu	Phe	Tyr	Gly	Ser	Gly	Ile	Tyr
				245					250					255	
Thr	Tyr	Leu	Gln	Pro	Ile	His	Arg	Tyr	Ser	Glu	Asn	Glu	Gly	Lys	Phe
			260					265					270		
Val	Ala	Val	Phe	Tyr	Thr	Ile	Leu	Thr	Pro	Ile	Leu	Asn	Pro	Leu	Ile
		275					280					285			
Tyr	Thr	Leu	Arg	Asn	Lys	Asp	Val	Lys	Gly	Ala	Leu	Trp	Lys	Val	Leu
	290					295					300				
Gly	Lys	Gly	Thr	Asp	Leu	Val									
305					310										

<210> 1358

<211> 311

<212> PRT

<213> Mus musculus

<400> 1358

Met	Gly	Ser	Phe	Asn	Thr	Ser	Phe	Arg	Gln	Gly	Phe	Phe	Leu	Val	Gly
1				5					10					15	
Phe	Ser	Asp	Phe	Pro	Gln	Leu	Glu	Leu	Leu	Leu	Ser	Val	Leu	Ile	Ser
			20					25					30		
Ile	Phe	Tyr	Ser	Leu	Thr	Leu	Phe	Gly	Asn	Ser	Thr	Ile	Ile	Ile	Leu
		35					40					45			
Ser	Gln	Leu	Asp	Ala	Arg	Leu	Gln	Met	Pro	Met	Tyr	Phe	Phe	Leu	Cys
	50					55					60				
His	Leu	Ser	Phe	Leu	Asp	Leu	Cys	Tyr	Thr	Thr	Ser	Ile	Val	Pro	Gln
65					70					75					80
Leu	Leu	Ile	Asn	Leu	Gln	Gly	Tyr	Asp	Arg	Thr	Ile	Ser	Tyr	Gly	Gly
			85					90						95	
Cys	Val	Ala	Gln	Leu	Phe	Leu	Phe	Leu	Ala	Leu	Ala	Thr	Thr	Glu	Ser
			100					105					110		
Val	Leu	Leu	Val	Val	Met	Ala	Phe	Asp	Arg	Tyr	Val	Ala	Val	Cys	Arg
		115					120					125			
Pro	Leu	His	Tyr	Thr	Thr	Ile	Met	His	Pro	Val	Leu	Cys	Leu	Ser	Leu

130		135		140
Ala Ile Val Ser Trp Val Gly Gly Phe Met Asn Ser Leu Ile Gln Thr				
145		150		155
Ser Leu Met Met Ala Val Pro Leu Cys Gly His Arg Leu Asn His Phe				
	165		170	175
Phe Cys Glu Ile Pro Ser Leu Leu Lys Leu Ala Cys Glu Asp Thr Glu				
	180		185	190
Gly Thr Gly Ala Lys Met Phe Val Val Arg Val Val Phe Leu Ile Phe				
	195		200	205
Pro Ile Thr Leu Ile Leu Ser Ser Tyr Ala Asn Ile Ala Gln Ala Val				
	210		215	220
Leu Lys Thr Lys Ser Met Ala Gly Cys Lys Lys Ala Leu Gly Thr Cys				
225		230		235
Gly Ser His Leu Val Val Ser Met Phe Tyr Gly Ala Ala Met Tyr				
	245		250	255
Thr Tyr Leu Gln Pro Lys Gly Thr Tyr Ser Glu Ser Lys Gly Lys Phe				
	260		265	270
Val Ala Leu Phe Tyr Ile Ile Val Thr Pro Met Leu Asn Pro Leu Ile				
	275		280	285
Tyr Thr Leu Arg Asn Lys Asp Val Lys Gly Ala Leu Trp Lys Val Leu				
	290		295	300
Gly Arg Ala Thr Asp Leu Gly				
305		310		

<210> 1359
 <211> 311
 <212> PRT
 <213> Mus musculus

<400> 1359

Met Asp Val Asp Asn Gln Thr Arg Val Thr Lys Phe Ile Leu Val Gly		
1	5	10
Phe Pro Gly Ser Leu Ser Met Arg Ala Ala Val Phe Leu Met Phe Leu		
	20	25
Val Ala Tyr Ile Leu Thr Val Ala Glu Asn Val Ile Ile Ile Leu Leu		
	35	40
Val Gln Gln Asn Arg Pro Leu His Lys Pro Met Tyr Phe Phe Leu Ala		
	50	55
Asn Leu Ser Phe Leu Glu Thr Trp Tyr Ile Ser Val Thr Val Pro Lys		
65	70	75
Leu Leu Phe Ser Phe Trp Ser Met Ser Asn Ser Ile Ser Phe Thr His		
	85	90
Cys Met Ile Gln Leu Tyr Phe Phe Ile Ala Leu Met Cys Thr Glu Cys		
	100	105
Val Leu Leu Ala Ala Met Ala Tyr Asp Arg Tyr Val Ala Ile Cys Arg		
	115	120
Pro Leu His Tyr Pro Thr Ile Met Ser His Gly Leu Cys Phe Arg Leu		
	130	135
Ala Leu Gly Ser Trp Val Ile Gly Phe Gly Ile Ser Leu Ala Lys Ile		
145	150	155
Tyr Phe Ile Ser Arg Leu Ser Phe Cys Gly Pro Asn Val Ile Asn His		
	165	170
Phe Phe Cys Asp Ile Ser Pro Val Leu Asn Leu Ser Cys Thr Asp Met		
	180	185
Ser Ile Ala Glu Leu Val Asp Phe Val Leu Ala Leu Val Ile Phe Leu		
	195	200
Phe Pro Leu Ser Ile Thr Val Leu Ser Tyr Gly Cys Ile Leu Ala Thr		
	210	215
		220

Val	Leu	Arg	Met	Pro	Thr	Gly	Lys	Gln	Lys	Ala	Phe	Ser	Thr	Cys	Ala
225					230					235					240
Ser	His	Leu	Val	Val	Val	Thr	Ile	Phe	Tyr	Ser	Ala	Thr	Ile	Phe	Met
			245						250					255	
Tyr	Ala	Arg	Pro	Arg	Ala	Ile	His	Ala	Phe	Asn	Met	Asn	Lys	Val	Ile
			260						265					270	
Ser	Ile	Phe	Tyr	Ala	Ile	Val	Thr	Pro	Ala	Leu	Asn	Pro	Phe	Ile	Tyr
		275					280					285			
Cys	Leu	Arg	Asn	Arg	Glu	Val	Lys	Glu	Ala	Leu	Lys	Lys	Leu	Ile	Tyr
	290					295					300				
Cys	Gln	Val	Ile	Arg	Ser	Asp									
305					310										

<210> 1360

<211> 316

<212> PRT

<213> Mus musculus

<400> 1360

Met	Glu	Ala	Thr	Thr	Cys	Asn	Gly	Ser	Val	Asp	Gly	Ser	Thr	Val	Phe
1				5					10					15	
Tyr	Leu	Val	Gly	Ile	Pro	Ser	Leu	Pro	Glu	Pro	Phe	Tyr	Leu	Pro	Val
			20					25					30		
Phe	Phe	Leu	Phe	Leu	Leu	Phe	Tyr	Leu	Leu	Ile	Leu	Val	Gly	Asn	Ala
		35					40					45			
Leu	Ile	Leu	Val	Ala	Val	Val	Ala	Glu	Arg	Ser	Leu	His	Lys	Pro	Met
	50					55					60				
Tyr	Phe	Phe	Leu	Ile	Asn	Leu	Ser	Ala	Leu	Asp	Ile	Leu	Phe	Thr	Thr
65					70					75					80
Thr	Thr	Val	Pro	Lys	Met	Leu	Ser	Leu	Leu	Leu	Gly	Asp	Arg	Phe	
				85					90					95	
Leu	Ser	Phe	Pro	Ala	Cys	Leu	Leu	Gln	Met	Tyr	Leu	Phe	Gln	Ser	Phe
			100					105					110		
Thr	Cys	Ser	Glu	Ala	Phe	Ile	Leu	Val	Val	Met	Ala	Tyr	Asp	Arg	Tyr
		115					120					125			
Val	Ala	Ile	Cys	Arg	Pro	Leu	His	Tyr	Pro	Val	His	Met	Thr	Pro	Gln
	130					135					140				
Thr	Asn	Thr	Ala	Leu	Ala	Ala	Ser	Ala	Trp	Ile	Thr	Ala	Leu	Leu	Leu
145					150					155					160
Pro	Val	Pro	Ala	Val	Ile	Lys	Thr	Ser	Gln	Met	Val	Tyr	Asn	Asp	Ile
				165					170					175	
Ala	Tyr	Ile	Tyr	His	Cys	Phe	Cys	Asp	His	Leu	Ala	Leu	Val	Gln	Ser
			180					185					190		
Ser	Cys	Ser	Asp	Thr	Thr	Pro	Gln	Thr	Leu	Met	Gly	Phe	Cys	Ile	Ala
		195				200						205			
Met	Val	Val	Ser	Phe	Leu	Pro	Leu	Leu	Leu	Val	Leu	Leu	Ser	Tyr	Val
	210					215					220				
Arg	Ile	Leu	Thr	Ser	Val	Leu	Gln	Ile	Asn	Ser	Lys	Glu	Gly	Arg	Ser
225					230					235					240
Lys	Ala	Phe	Ser	Thr	Cys	Ser	Ser	His	Leu	Leu	Val	Val	Gly	Thr	Tyr
				245					250					255	
Tyr	Ser	Ser	Ile	Ala	Ile	Ala	Tyr	Val	Ala	Tyr	Arg	Ala	Asp	Leu	Pro
			260					265					270		
Leu	Asp	Phe	His	Ile	Met	Gly	Asn	Val	Val	Tyr	Ser	Ile	Leu	Thr	Pro
		275					280					285			
Ile	Leu	Asn	Pro	Leu	Ile	Tyr	Thr	Leu	Arg	Asn	Lys	Asp	Val	Lys	Ala
	290					295					300				
Ala	Ile	Thr	Lys	Ile	Val	Tyr	Leu	Lys	Gly	Met	Met				

305

310

315

<210> 1361

<211> 316

<212> PRT

<213> Mus musculus

<400> 1361

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Met Glu Pro Trp Asn Ser Thr Leu Glu Ser Gly Phe Ile Leu Val Gly
 1          5          10          15
Ile Leu Asp Gly Ser Gly Ser Pro Glu Leu Leu Cys Ala Thr Val Thr
 20          25          30
Thr Leu Tyr Met Leu Ala Leu Ile Ser Asn Gly Leu Leu Leu Val
 35          40          45
Ile Thr Val Asp Ala Arg Leu His Val Pro Met Tyr Leu Leu Leu Arg
 50          55          60
Gln Leu Ser Leu Ile Asp Leu Leu Phe Thr Ser Val Val Thr Pro Asn
 65          70          75          80
Thr Val Val Asp Phe Leu Leu Arg Asp Asn Thr Ile Ser Phe Glu Gly
 85          90          95
Cys Ala Leu Gln Leu Phe Ser Ala Met Thr Leu Gly Gly Ala Glu Asp
100          105          110
Leu Leu Leu Ala Phe Met Ala Tyr Asp Arg Tyr Val Ala Ile Cys His
115          120          125
Pro Leu Asn Tyr Met Ile Phe Met Ser Pro Lys Ala Cys Arg Leu Met
130          135          140
Val Ala Ile Ser Trp Ile Leu Ala Ser Leu Ser Ala Leu Gly His Thr
145          150          155          160
Val Tyr Thr Met His Phe Pro Phe Cys Met Ser Gln Glu Ile Arg His
165          170          175
Leu Leu Cys Glu Val Pro Pro Leu Leu Lys Leu Ala Cys Ala Asp Thr
180          185          190
Ser Gln Tyr Glu Leu Met Val Tyr Val Thr Gly Val Ile Phe Leu Leu
195          200          205
Leu Pro Leu Ser Ala Ile Ile Thr Ser Tyr Ser Leu Ile Leu Phe Thr
210          215          220
Val Leu His Met Pro Ser Asn Glu Gly Arg Lys Lys Ala Leu Val Thr
225          230          235          240
Cys Ser Ser His Leu Thr Val Val Gly Met Phe Tyr Gly Gly Ala Thr
245          250          255
Phe Met Tyr Val Leu Pro Ser Ser Phe His Ser Pro Lys Gln Asp Asn
260          265          270
Ile Ile Ser Val Phe Tyr Thr Ile Val Thr Pro Ala Leu Asn Pro Leu
275          280          285
Ile Tyr Ser Leu Arg Asn Lys Glu Val Ile Gly Ala Val Arg Arg Val
290          295          300
Leu Gly Arg His Ile Leu Pro Ala His Ala Thr Val
305          310          315

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<210> 1362

<211> 315

<212> PRT

<213> Mus musculus

<400> 1362

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Met Trp Ile Asn Asn Gln Ser Ser Val Asp Asp Phe Ile Leu Leu Gly
 1          5          10          15

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Phe	Ser	Asp	Arg	Pro	Trp	Leu	Glu	Thr	Pro	Leu	Phe	Val	Ile	Phe	Leu
			20					25					30		
Val	Ala	Tyr	Ile	Phe	Ala	Leu	Phe	Gly	Asn	Ile	Ser	Ile	Ile	Leu	Val
		35					40					45			
Ser	Arg	Leu	Asp	Pro	Gln	Leu	Asp	Ser	Pro	Met	Tyr	Phe	Phe	Val	Ser
	50					55					60				
Asn	Leu	Ser	Leu	Leu	Asp	Leu	Cys	Tyr	Thr	Thr	Ser	Thr	Val	Pro	Gln
65					70					75					80
Met	Leu	Val	Asn	Leu	Arg	Gly	Pro	Glu	Lys	Thr	Ile	Ser	Tyr	Gly	Gly
			85						90					95	
Cys	Val	Ala	Gln	Leu	Tyr	Ile	Phe	Leu	Ala	Leu	Gly	Ser	Thr	Glu	Cys
			100					105					110		
Ile	Leu	Leu	Ala	Ile	Met	Ala	Phe	Asp	Arg	Phe	Ala	Ala	Ile	Cys	Arg
		115						120				125			
Pro	Leu	His	Tyr	Pro	Ile	Ile	Met	Asn	Gln	Lys	Arg	Cys	Ile	His	Met
	130					135						140			
Ala	Thr	Gly	Thr	Trp	Ile	Ser	Gly	Phe	Ala	Asn	Ser	Leu	Val	Gln	Ser
145					150					155					160
Thr	Leu	Thr	Val	Val	Ala	Pro	Arg	Cys	Gly	Gln	Arg	Val	Ile	Asp	His
			165						170					175	
Phe	Phe	Cys	Glu	Val	Pro	Ala	Leu	Leu	Lys	Leu	Ala	Cys	Thr	Asp	Thr
			180					185					190		
Ser	Val	Asn	Glu	Ala	Glu	Leu	Asn	Val	Leu	Gly	Ala	Leu	Leu	Leu	Leu
		195					200				205				
Val	Pro	Leu	Ser	Leu	Ile	Leu	Gly	Thr	Tyr	Val	Phe	Ile	Ala	Gln	Ala
	210					215					220				
Val	Leu	Lys	Leu	Arg	Ser	Ala	Glu	Ser	Arg	Arg	Lys	Ala	Phe	Asn	Thr
225					230					235					240
Cys	Ala	Ser	His	Leu	Leu	Val	Val	Ser	Leu	Phe	Tyr	Phe	Thr	Ala	Ile
			245						250					255	
Ser	Met	Tyr	Val	Gln	Pro	Pro	Ser	Ser	Tyr	Ser	His	Glu	Arg	Gly	Lys
			260					265					270		
Ile	Met	Ala	Leu	Phe	Tyr	Gly	Ile	Val	Thr	Pro	Thr	Leu	Asn	Pro	Phe
		275					280					285			
Ile	Tyr	Thr	Leu	Arg	Asn	Lys	Asp	Val	Lys	Ala	Ala	Leu	Arg	Arg	Ala
	290					295					300				
Leu	Thr	Lys	Glu	Phe	Trp	Val	Lys	Ala	Arg	Gln					
305					310					315					

<210> 1363

<211> 322

<212> PRT

<213> Mus musculus

<400> 1363

Met	Ile	His	Ser	Asn	Ile	Thr	Pro	Ile	His	Pro	Ala	Phe	Phe	Val	Leu
1				5					10					15	
Val	Gly	Ile	Pro	Gly	Leu	Glu	Ala	Tyr	His	Thr	Trp	Leu	Ser	Ile	Pro
			20					25					30		
Leu	Cys	Leu	Met	Tyr	Val	Thr	Ala	Val	Leu	Gly	Asn	Ser	Ile	Leu	Ile
		35					40				45				
Met	Val	Ile	Ile	Thr	Glu	Arg	Asn	Leu	His	Glu	Pro	Met	Tyr	Phe	Phe
	50					55					60				
Leu	Ser	Met	Leu	Ala	Ile	Thr	Asp	Ile	Leu	Leu	Ser	Thr	Thr	Thr	Val
65					70					75					80
Pro	Lys	Ala	Leu	Thr	Ile	Phe	Trp	Leu	His	Ala	His	Asn	Ile	Ala	Phe
			85						90				95		
Asp	Ala	Cys	Val	Thr	Gln	Val	Phe	Phe	Val	His	Thr	Met	Phe	Val	Gly

Pro	His	Ala	Tyr	Cys	Asp	His	Met	Ser	Val	Ala	Lys	Ile	Ser	Cys	Gly
			180					185				190			
Asn	Val	Lys	Ile	Asn	Ala	Val	Tyr	Gly	Leu	Leu	Val	Ala	Leu	Val	Val
		195					200					205			
Cys	Ala	Phe	Asp	Ile	Phe	Cys	Ile	Thr	Val	Ser	Tyr	Thr	Met	Ile	Leu
	210					215					220				
Arg	Ala	Val	Met	Asn	Leu	Ser	Ser	Ala	Asp	Ala	Arg	His	Lys	Ala	Phe
225					230				235						240
Ser	Thr	Cys	Thr	Ser	His	Ile	Cys	Ala	Ile	Val	Ile	Thr	Tyr	Val	Pro
				245					250					255	
Ala	Phe	Phe	Asn	Phe	Phe	Thr	His	Arg	Phe	Gly	Ala	His	Thr	Ile	Pro
			260					265					270		
His	His	Ile	His	Ile	Ile	Val	Ala	Asn	Leu	Tyr	Leu	Leu	Leu	Pro	Ala
		275					280					285			
Thr	Met	Asn	Pro	Ile	Val	Tyr	Gly	Val	Lys	Thr	Gln	Ala	Asp	Ser	Gly
	290					295					300				
Glu	Cys	Asn	Gln	Ile	Phe										
305					310										

<210> 1365

<211> 318

<212> PRT

<213> Mus musculus

<400> 1365

Met	Ser	Gly	Ala	Asn	Ser	Ser	Ser	Leu	Thr	Pro	Glu	Phe	Phe	Ile	Leu
1				5				10						15	
Asn	Gly	Val	Pro	Gly	Leu	Glu	Asp	Ala	His	Val	Trp	Ile	Ser	Leu	Pro
		20						25					30		
Phe	Cys	Phe	Met	Tyr	Met	Ile	Ala	Val	Val	Gly	Asn	Cys	Gly	Leu	Ile
		35					40					45			
Tyr	Leu	Ile	Gly	His	Glu	Glu	Ala	Leu	His	Arg	Pro	Met	Phe	Tyr	Phe
	50					55					60				
Leu	Ala	Leu	Leu	Ser	Phe	Thr	Asp	Val	Thr	Trp	Cys	Thr	Thr	Thr	Val
65					70					75					80
Pro	Asn	Met	Leu	Cys	Ile	Phe	Trp	Phe	Asn	Phe	Lys	Lys	Ile	Gly	Phe
				85					90					95	
Asn	Ser	Cys	Leu	Ala	Gln	Met	Phe	Phe	Val	His	Met	Leu	Thr	Gly	Met
			100					105					110		
Glu	Ser	Gly	Val	Leu	Met	Leu	Met	Ala	Leu	Asp	Arg	Tyr	Val	Ala	Ile
		115					120					125			
Cys	Asn	Pro	Leu	Arg	Tyr	Thr	Thr	Ile	Leu	Thr	Asn	Pro	Val	Ile	Ala
	130					135					140				
Lys	Ala	Cys	Leu	Ala	Thr	Phe	Leu	Arg	Ser	Val	Met	Leu	Ile	Phe	Pro
145					150					155					160
Phe	Thr	Leu	Leu	Thr	Lys	Arg	Leu	Pro	Tyr	Cys	Arg	Ser	Ile	Leu	Ile
				165					170					175	
Pro	His	Thr	Tyr	Cys	Asp	His	Met	Ser	Val	Ala	Lys	Val	Ser	Cys	Gly
			180					185					190		
Asn	Ala	Lys	Val	Asn	Ala	Ile	Tyr	Gly	Leu	Met	Val	Ala	Leu	Leu	Ile
		195					200					205			
Gly	Val	Phe	Asp	Ile	Cys	Cys	Ile	Ser	Val	Ser	Tyr	Thr	Met	Ile	Leu
	210					215					220				
Arg	Ala	Val	Val	Ser	Leu	Ser	Ser	Ala	Asp	Ala	Arg	His	Lys	Ala	Phe
225					230					235					240
Ser	Thr	Cys	Thr	Ser	His	Ile	Cys	Ala	Ile	Val	Ile	Thr	Tyr	Val	Pro
				245					250					255	
Ala	Phe	Phe	Thr	Phe	Phe	Thr	His	Arg	Phe	Gly	Gly	His	Thr	Ile	Pro

		260				265			270						
His	His	Val	His	Ile	Ile	Val	Ala	Asn	Leu	Tyr	Leu	Leu	Leu	Pro	Pro
		275					280				285				
Thr	Met	Asn	Pro	Ile	Val	Tyr	Gly	Val	Lys	Thr	Lys	Gln	Ile	Arg	Glu
		290				295					300				
Ser	Val	Ile	Lys	Phe	Leu	Leu	Gly	Asp	Lys	Met	Gly	Phe	Thr		
305					310					315					

<210> 1366
 <211> 316
 <212> PRT
 <213> Mus musculus

<400> 1366

Met	Ile	Lys	Phe	Asn	Gly	Ser	Val	Phe	Met	Pro	Ser	Val	Leu	Thr	Leu
1				5					10					15	
Val	Gly	Ile	Pro	Gly	Leu	Glu	Ser	Val	Gln	Cys	Trp	Ile	Gly	Ile	Pro
			20					25					30		
Phe	Cys	Val	Met	Tyr	Ile	Ile	Ala	Met	Ile	Gly	Asn	Ser	Leu	Ile	Leu
		35					40					45			
Val	Ile	Ile	Lys	Ser	Glu	Lys	Ser	Leu	His	Ile	Pro	Met	Tyr	Ile	Phe
	50					55					60				
Leu	Ala	Ile	Leu	Ala	Val	Thr	Asp	Ile	Ala	Leu	Ser	Thr	Cys	Ile	Leu
65					70					75					80
Pro	Lys	Met	Leu	Gly	Ile	Phe	Trp	Phe	His	Met	Pro	Gln	Ile	Ser	Phe
				85					90					95	
Asp	Ala	Cys	Leu	Leu	Gln	Met	Glu	Leu	Ile	His	Ser	Phe	Gln	Ala	Thr
			100					105					110		
Glu	Ser	Gly	Ile	Leu	Leu	Ala	Met	Ala	Leu	Asp	Arg	Tyr	Val	Ala	Ile
		115					120					125			
Cys	Asn	Pro	Leu	Arg	His	Ala	Thr	Ile	Phe	Ser	Pro	Gln	Leu	Thr	Thr
	130					135					140				
Cys	Leu	Gly	Ala	Gly	Ala	Leu	Leu	Arg	Ser	Leu	Ile	Thr	Thr	Phe	Pro
145					150					155					160
Leu	Ile	Leu	Leu	Ile	Lys	Phe	Cys	Leu	Lys	Tyr	Phe	Arg	Thr	Thr	Ile
				165					170					175	
Ile	Ser	His	Ser	Tyr	Cys	Glu	His	Met	Ala	Ile	Val	Lys	Leu	Ala	Ala
			180					185					190		
Gln	Asp	Ile	Arg	Ile	Asn	Lys	Ile	Cys	Gly	Leu	Leu	Val	Ala	Phe	Ala
		195				200						205			
Ile	Leu	Gly	Phe	Asp	Ile	Val	Phe	Ile	Thr	Phe	Ser	Tyr	Val	Arg	Ile
	210					215					220				
Phe	Ile	Thr	Val	Phe	Gln	Leu	Pro	Gln	Lys	Glu	Ala	Arg	Phe	Lys	Ala
225					230					235					240
Phe	Asn	Thr	Cys	Ile	Ala	His	Ile	Cys	Val	Phe	Leu	Gln	Phe	Tyr	Leu
			245						250					255	
Leu	Ala	Phe	Phe	Ser	Phe	Phe	Thr	His	Arg	Phe	Gly	Ala	His	Ile	Pro
			260					265					270		
Pro	Tyr	Val	His	Ile	Leu	Leu	Ser	Asp	Leu	Tyr	Leu	Leu	Val	Pro	Pro
		275					280					285			
Phe	Leu	Asn	Pro	Ile	Val	Tyr	Gly	Ile	Lys	Thr	Lys	Gln	Ile	Arg	Asp
	290					295					300				
Gln	Val	Leu	Lys	Met	Phe	Phe	Ser	Lys	Lys	Pro	Leu				
305					310					315					

<210> 1367
 <211> 315

<212> PRT

<213> Mus musculus

<400> 1367

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Met Ile Lys Phe Asn Gly Ser Val Phe Met Pro Ser Val Leu Thr Leu
 1           5           10           15
Val Gly Ile Pro Gly Leu Glu Ser Val Gln Cys Trp Ile Gly Ile Pro
          20           25           30
Phe Cys Val Met Tyr Ile Ile Ala Met Ile Gly Asn Ser Leu Ile Leu
          35           40           45
Val Ile Ile Lys Ser Glu Lys Ser Leu His Ile Pro Met Tyr Ile Phe
          50           55           60
Leu Ala Ile Leu Ala Val Thr Asp Ile Ala Leu Ser Thr Cys Ile Leu
65           70           75           80
Pro Lys Met Leu Gly Ile Phe Trp Phe His Met Pro Gln Ile Ser Phe
          85           90           95
Asp Ala Cys Leu Leu Gln Met Glu Leu Ile His Ser Phe Gln Ala Thr
          100          105          110
Glu Ser Gly Ile Leu Leu Ala Met Ala Leu Asp Arg Tyr Val Ala Ile
          115          120          125
Cys Asn Pro Leu Arg His Ala Thr Ile Phe Ser Pro Gln Leu Thr Thr
          130          135          140
Cys Leu Gly Ala Gly Ala Leu Leu Arg Ala Phe Ile Leu Val Ser Pro
145          150          155          160
Ser Ile Leu Leu Ile Lys Cys Arg Leu Lys Tyr Phe Arg Thr Thr Ile
          165          170          175
Ile Ser His Ser Tyr Cys Glu His Met Ala Ile Val Lys Leu Ala Ala
          180          185          190
Gln Asp Ile Arg Ile Asn Lys Ile Cys Gly Leu Leu Val Ala Phe Ala
          195          200          205
Ile Leu Gly Phe Asp Ile Val Phe Ile Thr Phe Ser Tyr Val Arg Ile
          210          215          220
Phe Ile Thr Val Phe Gln Leu Pro Gln Lys Glu Ala Arg Phe Lys Ala
225          230          235          240
Phe Asn Thr Cys Ile Ala His Ile Cys Val Phe Leu Gln Phe Tyr Leu
          245          250          255
Leu Ala Phe Phe Ser Phe Phe Thr His Arg Phe Gly Ala His Ile Pro
          260          265          270
Pro Tyr Val His Ile Leu Leu Ser Asp Leu Tyr Leu Leu Val Pro Pro
          275          280          285
Phe Leu Asn Pro Ile Val Tyr Gly Val Lys Thr Lys Gln Ile Arg Asp
          290          295          300
Gln Val Leu Lys Met Leu Phe Ser Lys Lys His
305          310          315
```

<210> 1368

<211> 312

<212> PRT

<213> Mus musculus

<400> 1368

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Met Ser Glu Ser Leu Pro Val Thr Leu Phe Leu Thr Gly Ile Pro Gly
 1           5           10           15
Leu Glu Phe Ala His Leu Trp Ile Ala Ile Pro Phe Cys Val Met Tyr
          20           25           30
Val Val Ala Leu Leu Gly Asn Ala Ala Leu Ile Leu Ile Gly Thr
          35           40           45
Glu Ser Val Leu His Thr Pro Met Tyr Leu Phe Leu Cys Leu Leu Ser
```

50		55		60
Leu Thr Asp Leu Ala	Leu Ser Ser Thr Thr Val	Pro Lys Met Leu Ala		
65	70	75	80	
Ile Leu Trp Leu His	Ser Asn Glu Ile Ser Phe	Gly Gly Cys Leu Ala		
	85	90	95	
Gln Met Phe Cys Val	His Ser Ile Tyr Ala Leu	Glu Ser Ser Val Leu		
	100	105	110	
Leu Ala Met Ala Phe	Asp Arg Tyr Val Ala Ile	Cys Asn Pro Leu Arg		
	115	120	125	
Tyr Thr Thr Ile Leu	Asn His Thr Val Ile Ala	Gln Ile Ile Phe Ala		
	130	135	140	
Gly Ile Val Arg Ser	Val Ala Ile Val Ser Pro	Phe Ile Phe Leu Leu		
145	150	155	160	
Arg Arg Leu Pro Tyr	Cys Gly His Arg Val Met	Thr His Thr Tyr Cys		
	165	170	175	
Glu His Met Gly Ile	Ala Arg Leu Ala Cys Ala	Asn Ile Thr Val Asn		
	180	185	190	
Ile Val Tyr Gly Leu	Thr Val Ala Leu Leu Ala	Met Gly Leu Asp Ser		
	195	200	205	
Ile Leu Ile Ala Ile	Ser Tyr Gly Phe Ile Leu	Arg Ala Val Phe Arg		
	210	215	220	
Leu Pro Ser Arg Asp	Ala Gln His Lys Ala Leu	Ser Thr Cys Gly Ser		
225	230	235	240	
His Leu Gly Val Ile	Leu Val Phe Tyr Ile Pro	Ala Phe Phe Ser Phe		
	245	250	255	
Leu Thr His Arg Phe	Gly His Asn Arg Val Pro	Lys His Val His Ile		
	260	265	270	
Phe Leu Ala Asn Leu	Tyr Val Leu Val Pro Pro	Val Leu Asn Pro Ile		
	275	280	285	
Ile Tyr Gly Ala Arg	Thr Lys Glu Ile Arg Ser	Arg Leu Leu Lys Leu		
	290	295	300	
Leu His Leu Gly Lys	Asp Leu Val			
305	310			

<210> 1369
 <211> 312
 <212> PRT
 <213> Mus musculus

<400> 1369
Met Val Met His Asn Val Ser Ser Tyr Asn Thr Gly Pro Phe Thr Leu
1 5 10 15
Ser Gly Ile Pro Gly Leu Glu Gln Tyr His Val Trp Ile Ser Ile Pro
20 25 30
Phe Cys Phe Ile Tyr Leu Val Ala Ile Leu Gly Asn Ser Ile Leu Leu
35 40 45
Tyr Leu Ile Ala Val Glu His Ser Leu His Ser Pro Met Phe Phe Phe
50 55 60
Leu Ser Met Leu Ala Met Thr Asp Leu Ile Leu Ser Thr Thr Cys Val
65 70 75 80
Pro Lys Thr Leu Ser Ile Phe Trp Phe Gly Pro Gln Glu Ile Ser Phe
85 90 95
Pro Gly Cys Leu Thr Gln Leu Phe Phe Leu His Tyr Ser Phe Val Leu
100 105 110
Asp Ser Ala Ile Leu Leu Ala Met Ala Phe Asp Arg Tyr Val Ala Ile
115 120 125
Cys Ser Pro Leu Arg Tyr Thr Thr Ile Leu Thr Pro Lys Thr Ile Val
130 135 140

Lys	Ile	Ala	Val	Gly	Ile	Ser	Phe	Arg	Ser	Phe	Cys	Val	Phe	Val	Pro
145					150					155					160
Cys	Val	Phe	Leu	Val	Asn	Arg	Leu	Pro	Phe	Cys	Arg	Thr	His	Ile	Ile
				165					170					175	
Ala	His	Thr	Tyr	Cys	Glu	His	Ile	Gly	Val	Ala	Arg	Leu	Ala	Cys	Ala
			180					185					190		
Asp	Ile	Ser	Ile	Asn	Ile	Trp	Tyr	Gly	Phe	Cys	Val	Pro	Ile	Met	Thr
		195					200					205			
Val	Ile	Ile	Asp	Val	Ile	Leu	Ile	Ala	Ile	Ser	Tyr	Thr	Leu	Ile	Leu
	210					215					220				
Cys	Ala	Val	Phe	Arg	Leu	Pro	Ser	Arg	Asp	Ala	Arg	Gln	Lys	Ala	Leu
225					230					235					240
Ser	Thr	Cys	Gly	Ser	His	Val	Cys	Val	Ile	Leu	Met	Phe	Tyr	Ile	Pro
				245					250					255	
Ala	Phe	Phe	Ser	Ile	Leu	Ala	His	Arg	Phe	Gly	Arg	Asn	Val	Pro	Arg
			260					265					270		
Thr	Phe	His	Ile	Met	Phe	Ala	Asn	Leu	Tyr	Val	Ile	Ile	Pro	Pro	Ala
		275					280					285			
Leu	Asn	Pro	Ile	Val	Tyr	Gly	Val	Lys	Thr	Lys	Gln	Ile	Arg	Asp	Lys
	290					295					300				
Ala	Ile	Leu	Leu	Leu	Phe	Pro	Lys								
305					310										

<210> 1370

<211> 319

<212> PRT

<213> Mus musculus

<400> 1370

Met	Met	Tyr	Ser	Leu	Met	Leu	Ala	Ser	Arg	Asn	Ser	Ser	Ser	His	Ser
1				5					10					15	
Thr	Phe	Phe	Ile	Leu	Leu	Gly	Ile	Pro	Gly	Leu	Glu	Asn	Tyr	Gln	Phe
			20					25					30		
Trp	Val	Ala	Phe	Pro	Phe	Cys	Val	Met	Tyr	Ile	Val	Ala	Val	Thr	Gly
		35				40						45			
Asn	Ile	Thr	Ile	Leu	His	Ile	Ile	Arg	Ile	Asp	His	Thr	Leu	His	Glu
	50					55				60					
Pro	Met	Tyr	Leu	Phe	Leu	Ala	Met	Leu	Ala	Thr	Thr	Asp	Leu	Val	Leu
65					70					75					80
Ser	Ser	Ser	Thr	Gln	Pro	Lys	Met	Leu	Ala	Ile	Leu	Trp	Phe	His	Asp
				85					90					95	
His	Lys	Ile	Glu	Tyr	His	Ala	Cys	Leu	Ile	Gln	Val	Phe	Phe	Ile	His
			100					105					110		
Ala	Phe	Ser	Ser	Val	Glu	Ser	Gly	Val	Leu	Met	Thr	Met	Ala	Leu	Asp
		115					120					125			
Arg	Tyr	Val	Ala	Ile	Cys	Phe	Pro	Leu	Arg	His	Ser	Ser	Ile	Leu	Thr
	130					135						140			
Thr	Ser	Ala	Val	Ile	Lys	Leu	Gly	Ala	Val	Val	Met	Val	Arg	Gly	Leu
145					150					155					160
Leu	Trp	Val	Ser	Pro	Phe	Cys	Phe	Met	Val	Ser	Arg	Met	Pro	Phe	Cys
				165					170					175	
Pro	Asn	Lys	Ile	Ile	Pro	Gln	Ser	Tyr	Cys	Glu	His	Met	Ala	Val	Leu
		180						185					190		
Lys	Leu	Val	Cys	Ala	Asp	Thr	Arg	Val	Asn	Arg	Gly	Tyr	Gly	Leu	Phe
		195					200					205			
Val	Ala	Phe	Ser	Val	Val	Gly	Phe	Asp	Ile	Ile	Val	Ile	Ser	Val	Ser
	210					215					220				
Tyr	Val	Met	Ile	Leu	Arg	Ala	Val	Leu	Arg	Leu	Pro	Ser	Gly	Glu	Ala

225					230					235				240
Arg	Leu	Lys	Ala	Phe	Gly	Thr	Cys	Ala	Ser	His	Ile	Gly	Val	Ile
				245					250					255
Thr	Leu	Tyr	Ile	Pro	Ala	Leu	Phe	Thr	Phe	Leu	Thr	His	Arg	Phe
			260					265					270	
His	His	Val	Pro	Arg	Val	Val	His	Ile	Met	Phe	Ala	Asn	Val	Tyr
		275					280					285		
Leu	Val	Pro	Pro	Met	Leu	Asn	Pro	Ile	Ile	Tyr	Gly	Val	Arg	Thr
	290					295					300			
Gln	Ile	Arg	Asp	Arg	Val	Thr	Arg	Gly	Phe	Cys	Val	Lys	Gly	Ser
305					310					315				

<210> 1371

<211> 319

<212> PRT

<213> Mus musculus

<400> 1371

Met	Met	His	Ser	Leu	Met	Leu	Ala	Ser	Arg	Asn	Asn	Ser	Ser	His	Ser
1				5					10					15	
Thr	Phe	Phe	Ile	Leu	Leu	Gly	Ile	Pro	Gly	Leu	Glu	Asn	Tyr	Gln	Phe
			20					25					30		
Trp	Val	Ala	Phe	Pro	Phe	Cys	Val	Met	Tyr	Ile	Val	Ala	Val	Thr	Gly
		35					40					45			
Asn	Ile	Thr	Ile	Leu	His	Ile	Ile	Arg	Ile	Asp	His	Thr	Leu	His	Glu
	50					55				60					
Pro	Met	Tyr	Leu	Phe	Leu	Ala	Met	Leu	Ala	Thr	Thr	Asp	Leu	Val	Leu
65					70				75					80	
Ser	Ser	Ser	Thr	Gln	Pro	Lys	Met	Leu	Ala	Ile	Leu	Trp	Phe	His	Asp
				85					90					95	
His	Lys	Ile	Glu	Tyr	His	Ala	Cys	Leu	Ile	Gln	Val	Phe	Phe	Ile	His
			100					105					110		
Ala	Phe	Ser	Ser	Val	Glu	Ser	Gly	Val	Leu	Met	Asp	Met	Ala	Leu	Asp
		115					120				125				
Arg	Tyr	Val	Ala	Ile	Cys	Phe	Pro	Leu	Arg	His	Ser	Ser	Ile	Leu	Thr
	130					135					140				
Thr	Ser	Val	Val	Ile	Lys	Leu	Gly	Val	Ala	Val	Met	Val	Arg	Gly	Leu
145					150					155					160
Leu	Trp	Val	Ser	Pro	Phe	Cys	Phe	Met	Val	Ser	Arg	Met	Pro	Phe	Cys
				165					170					175	
Pro	Asn	Lys	Val	Ile	Pro	Gln	Ser	Tyr	Cys	Glu	His	Met	Ala	Val	Leu
			180					185					190		
Lys	Leu	Val	Cys	Ala	Asp	Thr	Arg	Val	Asn	Arg	Gly	Tyr	Gly	Leu	Phe
		195					200					205			
Val	Ala	Phe	Ser	Val	Ala	Val	Phe	Asp	Leu	Ala	Val	Ile	Ser	Val	Ser
	210					215					220				
Tyr	Ala	Met	Ile	Leu	Arg	Ala	Val	Leu	Arg	Leu	Pro	Ser	Gly	Glu	Ala
225					230					235					240
Arg	Leu	Lys	Ala	Phe	Gly	Thr	Cys	Ala	Ser	His	Ile	Gly	Val	Ile	Leu
				245					250					255	
Thr	Leu	Tyr	Ile	Pro	Ala	Leu	Phe	Thr	Phe	Leu	Thr	His	Arg	Phe	Gly
			260					265					270		
His	His	Val	Pro	Arg	Ile	Val	His	Ile	Met	Phe	Ala	Asn	Val	Tyr	Leu
		275					280					285			
Leu	Val	Pro	Pro	Met	Leu	Asn	Pro	Ile	Ile	Tyr	Gly	Val	Arg	Thr	Lys
	290					295					300				
Gln	Ile	Arg	Asp	Arg	Val	Thr	Gln	Ala	Phe	Cys	Gly	Lys	Gly	Ser	
305					310					315					

<210> 1372
 <211> 317
 <212> PRT
 <213> Mus musculus

<400> 1372
 Met Ile Leu Pro Asn Asp Thr Gln Phe His Pro Ser Thr Phe Leu Leu
 1 5 10 15
 Leu Gly Ile Pro Gly Leu Glu Ser Leu His Ile Trp Ile Gly Phe Pro
 20 25 30
 Phe Cys Val Val Tyr Met Ile Ala Leu Leu Gly Asn Leu Thr Ile Leu
 35 40 45
 Phe Val Ile Lys Thr Glu Ser Ser Leu His Gln Pro Met Phe Tyr Phe
 50 55 60
 Leu Ala Met Leu Ala Thr Ile Asp Leu Gly Leu Ser Thr Ala Thr Ile
 65 70 75 80
 Pro Lys Met Leu Gly Ile Phe Trp Ile Asn Leu Arg Glu Ile Leu Phe
 85 90 95
 Glu Asp Cys Leu Ile Gln Met Phe Phe Ile His Lys Phe Thr Leu Met
 100 105 110
 Glu Ser Thr Val Leu Leu Ala Met Ala Tyr Asp His Tyr Val Ala Ile
 115 120 125
 Cys Ile Pro Leu Arg Tyr Ser Thr Ile Leu Thr Asn Lys Val Val Ser
 130 135 140
 Met Ile Gly Ile Ala Val Leu Val Arg Ala Ile Ile Phe Val Ile Pro
 145 150 155 160
 Phe Ile Phe Leu Ile Leu Arg Leu Pro Phe Cys Gly His His Ile Ile
 165 170 175
 Pro His Thr Tyr Cys Glu His Met Gly Leu Ala Arg Leu Ser Cys Ala
 180 185 190
 Ser Val Lys Ala Asn Val Ile Tyr Gly Leu Cys Ala Ile Cys Asn Leu
 195 200 205
 Leu Phe Asp Ile Val Ala Ile Val Leu Ser Tyr Ile Gln Ile Leu Arg
 210 215 220
 Val Val Phe His Leu Pro Ser Arg Glu Ala Arg Leu Lys Ser Leu Asn
 225 230 235 240
 Thr Cys Gly Ser His Val Cys Val Ile Leu Ala Phe Tyr Thr Pro Ala
 245 250 255
 Leu Phe Ser Phe Met Thr His Arg Phe Gly Arg Asn Val Pro Arg Tyr
 260 265 270
 Ile His Ile Leu Leu Ala Asn Leu Tyr Val Val Val Pro Pro Met Leu
 275 280 285
 Asn Pro Val Ile Tyr Gly Val Arg Thr Lys Gln Ile Tyr Asp Arg Val
 290 295 300
 Lys Lys Ile Leu Leu Gln Val Arg Gly Lys Glu Lys Glu
 305 310 315

<210> 1373
 <211> 317
 <212> PRT
 <213> Mus musculus

<400> 1373
 Met Ser Cys Ala Pro Asn Ala Ser His Ser Pro Ile Phe Leu Leu Leu
 1 5 10 15
 Gly Phe Ser Arg Ala Gly Val Pro His Thr Phe Leu Phe Leu Leu Phe

Glu	Ser	Gly	Val	Leu	Met	Leu	Met	Ala	Leu	Asp	Arg	Tyr	Val	Ala	Ile	
		115					120				125					
Cys	Tyr	Pro	Leu	His	Tyr	Ser	Thr	Ile	Leu	Thr	Asn	Pro	Val	Ile	Ala	
	130					135					140					
Lys	Ala	Gly	Leu	Ala	Thr	Phe	Leu	Arg	Ala	Val	Val	Leu	Ile	Ile	Pro	
145					150					155					160	
Leu	Ile	Phe	Ile	Thr	Lys	His	Leu	Pro	Phe	Cys	Arg	Ser	Asn	Ile	Leu	
			165						170					175		
Ile	His	His	Thr	Tyr	Cys	Asp	Gln	Leu	Ser	Val	Ala	Lys	Val	Ser	Cys	
			180					185					190			
Gly	Asn	Ile	Lys	Val	Asn	Ile	Val	Tyr	Gly	Leu	Met	Ile	Ala	Leu	Phe	
	195						200					205				
Ile	Gly	Gly	Phe	Asp	Ile	Leu	Cys	Ile	Thr	Val	Ser	Tyr	Thr	Met	Ile	
	210				215						220					
Leu	Lys	Ala	Val	Val	Ser	Leu	Ser	Ser	Ala	Asp	Ala	Arg	Gln	Lys	Ala	
225					230					235					240	
Phe	Ser	Thr	Cys	Thr	Ala	His	Ile	Cys	Ala	Ile	Val	Phe	Ser	Tyr	Ser	
			245						250					255		
Pro	Ala	Phe	Phe	Cys	Phe	Phe	Ser	His	Arg	Phe	Gly	Gly	His	Ile	Ile	
			260					265					270			
Pro	Pro	Ser	Cys	Leu	Ile	Ile	Val	Ala	Asn	Leu	Tyr	Leu	Leu	Leu	Pro	
		275					280					285				
Pro	Thr	Met	Asn	Pro	Val	Val	Tyr	Gly	Val	Lys	Thr	Lys	Gln	Ile	Arg	
	290					295					300					
Asp	Cys	Val	Ile	Arg	Ile	Phe	Ser	Gly	Ser	Lys	Asp	Ile	Lys	Ser	His	
305					310					315					320	
Ser	Ile															

<210> 1375

<211> 323

<212> PRT

<213> Mus musculus

<400> 1375

Met	Val	Met	Ser	Val	Gln	Asn	Ser	Thr	Asp	Leu	Thr	Pro	Ala	Ser	Phe	
1				5					10					15		
Val	Leu	Asn	Gly	Ile	Pro	Gly	Leu	Glu	Asp	Met	His	Ile	Trp	Ile	Ser	
			20					25					30			
Phe	Pro	Phe	Cys	Ser	Met	Tyr	Ala	Val	Ala	Met	Met	Gly	Asn	Cys	Gly	
		35					40					45				
Leu	Leu	Tyr	Leu	Ile	Phe	Phe	Glu	Asp	Ser	Leu	His	Arg	Pro	Met	Tyr	
	50					55					60					
Tyr	Phe	Leu	Ala	Met	Leu	Ser	Leu	Thr	Asp	Leu	Val	Met	Cys	Ser	Ser	
65				70					75					80		
Thr	Ile	Pro	Lys	Thr	Leu	Cys	Ile	Phe	Trp	Phe	His	Leu	Lys	Glu	Ile	
			85						90					95		
Gly	Phe	Asp	Asp	Cys	Leu	Val	Gln	Met	Phe	Phe	Ile	His	Thr	Phe	Thr	
		100						105					110			
Gly	Met	Glu	Ser	Gly	Val	Leu	Met	Leu	Met	Ala	Leu	Asp	Arg	Tyr	Val	
		115					120					125				
Ala	Ile	Cys	Tyr	Pro	Leu	Arg	Tyr	Ser	Thr	Ile	Leu	Thr	Asn	Pro	Ile	
	130					135					140					
Ile	Ala	Lys	Ile	Gly	Leu	Ala	Thr	Phe	Leu	Arg	Gly	Val	Leu	Leu	Ile	
145					150					155					160	
Ile	Pro	Phe	Thr	Phe	Leu	Thr	Lys	Arg	Leu	Pro	Tyr	Cys	Arg	Gly	Asn	
			165						170					175		
Ile	Ile	Asn	His	Thr	Tyr	Cys	Asp	His	Met	Ser	Val	Ala	Lys	Leu	Ser	

Tyr	Thr	Pro	Ala	Ile	Phe	Ser	Val	Leu	Val	His	Arg	Phe	Gly	His	Asn
			260					265					270		
Ile	Pro	His	Ser	Phe	His	Ile	Leu	Phe	Ala	Asn	Leu	Tyr	Val	Ser	Ile
		275					280					285			
Pro	Pro	Ala	Ile	Asn	Pro	Val	Ile	Tyr	Gly	Val	Lys	Thr	Lys	Gln	Ile
	290					295					300				
Arg	Asp	Lys	Ile	Asn	Leu	Leu	Phe	Phe	Pro	Lys	Asp	Asn	His		
305					310					315					

<210> 1377
 <211> 318
 <212> PRT
 <213> Mus musculus

<400> 1377

Met	Thr	Met	Ser	Ser	Asn	His	Thr	Asn	Leu	Arg	Asp	Ile	Trp	Tyr	Thr
1				5					10					15	
Met	Ile	Gly	Ile	Pro	Gly	Leu	Glu	Asp	Ala	His	Val	Trp	Leu	Ser	Ile
			20					25					30		
Pro	Ile	Cys	Ser	Met	Tyr	Ile	Val	Ala	Leu	Ile	Gly	Asn	Thr	Leu	Leu
		35					40					45			
Ile	Phe	Leu	Ile	Phe	Thr	Glu	His	Ser	Leu	His	Glu	Pro	Met	Tyr	Leu
	50					55					60				
Phe	Leu	Ser	Met	Leu	Ala	Leu	Ala	Asp	Ile	Ile	Leu	Ser	Thr	Val	Thr
65					70					75					80
Thr	Pro	Lys	Val	Leu	Ala	Ile	Phe	Trp	Phe	Gln	Ala	Gly	Gly	Ile	Ser
				85					90					95	
Phe	Thr	Ser	Cys	Val	Ser	Gln	Met	Phe	Phe	Leu	His	Phe	Met	Phe	Val
			100					105					110		
Thr	Glu	Ser	Ala	Ile	Leu	Leu	Ala	Met	Ala	Ile	Asp	Arg	Tyr	Ile	Ala
		115					120					125			
Ile	Cys	Phe	Pro	Leu	Arg	Tyr	Thr	Thr	Ile	Leu	Thr	Pro	Ser	Val	Ile
	130					135					140				
Cys	Arg	Met	Gly	Ile	Ala	Ser	Val	Thr	Arg	Ser	Phe	Leu	Ile	Ile	Phe
145					150					155					160
Pro	Leu	Val	Phe	Leu	Val	Tyr	Arg	Leu	Asn	Tyr	Cys	Gly	Arg	Asn	Ile
				165					170					175	
Ile	Arg	His	Ser	Tyr	Cys	Glu	His	Met	Gly	Ile	Ala	Arg	Leu	Ala	Cys
			180					185					190		
Asp	Ser	Ile	Lys	Val	Asn	Ile	Tyr	Tyr	Gly	Met	Thr	Val	Pro	Leu	Phe
		195					200					205			
Ser	Ile	Gly	Leu	Asp	Ile	Met	Leu	Ile	Ile	Ile	Ser	Tyr	Thr	Leu	Ile
	210					215					220				
Leu	His	Thr	Val	Phe	Arg	Ile	Pro	Ser	Gln	Asn	Ala	Arg	Arg	Lys	Ala
225					230					235					240
Leu	Gly	Thr	Cys	Gly	Ser	His	Val	Cys	Val	Ile	Leu	Leu	Phe	Tyr	Thr
				245					250					255	
Pro	Ser	Leu	Phe	Thr	Phe	Phe	Ala	His	Arg	Phe	Gly	Gly	His	Thr	Ile
			260					265					270		
Pro	Arg	His	Met	His	Ile	Leu	Phe	Ala	Asn	Leu	Tyr	Val	Val	Val	Pro
		275					280					285			
Pro	Ala	Leu	Asn	Pro	Ile	Ile	Tyr	Gly	Val	Lys	Thr	Lys	Gln	Ile	Gln
	290					295					300				
Asp	Arg	Phe	Phe	Gln	Leu	Phe	Ser	Phe	Thr	Lys	Ala	Cys	Phe		
305					310					315					

<210> 1378

<211> 314
 <212> PRT
 <213> Mus musculus

<400> 1378

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Met Pro Ser Cys Asn Asn Ser Ile Pro Gln Pro Leu Ile Phe Ile Leu
 1          5          10          15
Ala Gly Ile Pro Gly Leu Glu Ser Ser His Gly Trp Phe Ser Ile Ser
          20          25          30
Phe Phe Leu Ile Phe Val Val Thr Ile Ile Gly Asn Val Thr Ile Leu
          35          40          45
His Ile Ile Trp Ile Glu Lys Thr Leu His Glu Pro Met Phe Leu Leu
 50          55          60
Leu Ala Thr Leu Ser Val Val Asp Leu Cys Leu Val Thr Val Thr Val
65          70          75          80
Pro Arg Met Leu Gly Ile Phe Trp Leu Asn Ala Lys Glu Ile Ser Leu
          85          90          95
Glu Ala Cys Leu Thr Gln Met Phe Phe Ile Pro Ser Phe Tyr Val Met
          100          105          110
Glu Ser Gly Ile Leu Leu Ala Met Ala Phe Asp Arg Phe Ala Ala Ile
          115          120          125
Trp Tyr Pro Leu Arg Tyr Thr Thr Ile Leu Asp Ser Asn Met Leu Val
          130          135          140
Lys Met Ala Leu Ala Ile Leu Ala Arg Ala Val Ala Val Val Thr Pro
          145          150          155          160
Ala Pro Ile Leu Thr Lys Arg Leu Glu Arg Phe Gln Thr Gln Val Ile
          165          170          175
Ser Tyr Ser Tyr Cys Ala Tyr Met Ala Val Val Met Ile Ala Cys Gly
          180          185          190
Asp Ile Ser Asn His Ile Val Tyr Gly Leu Met Val Ile Val Ala Ser
          195          200          205
Val Gly Ile Asp Leu Phe Leu Val Ile Leu Ser Tyr Thr Leu Ile Leu
          210          215          220
Arg Ala Val Phe His Ile Pro Ser Trp Gln Ala Arg Ser Lys Ala Leu
          225          230          235          240
Ser Thr Cys Gly Ser His Leu Cys Val Ile Gly Leu Phe Tyr Ser Pro
          245          250          255
Val Val Phe Ser Val Leu Ser Gln Ile Leu Gly Tyr His Met Ala Pro
          260          265          270
Tyr Leu Gln Ile Ile Ile Asp Asn Leu Tyr Phe Leu Val Pro Pro Met
          275          280          285
Val Asn Pro Leu Ile Tyr Ala Val Arg Thr Lys Gln Ile Arg Glu Arg
          290          295          300
Val Leu Arg Ile Leu Asn Cys Glu Arg Lys
305          310

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<210> 1379
 <211> 319
 <212> PRT
 <213> Mus musculus

<400> 1379

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Met Ile Arg Arg Gln His Met Glu Ala Gln Ser Asn Thr Ser Ser Ile
 1          5          10          15
Leu Ala Pro Asp Phe Leu Leu Ile Cys Phe Pro Asn Tyr Gln Thr Trp
          20          25          30
Gln His Trp Leu Ser Leu Pro Leu Ser Leu Leu Phe Leu Leu Ala Met
          35          40          45

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Gly	Ala	Asn	Ala	Thr	Leu	Leu	Ile	Thr	Ile	Arg	Met	Glu	Ala	Ser	Leu
	50					55					60				
His	Glu	Pro	Met	Tyr	Tyr	Leu	Leu	Ser	Leu	Leu	Ser	Leu	Leu	Asp	Ile
65					70					75					80
Val	Leu	Cys	Leu	Thr	Val	Ile	Pro	Lys	Val	Leu	Ala	Ile	Phe	Trp	Phe
				85					90						95
Asp	Asn	Lys	Ser	Ile	Gly	Phe	Ser	Ser	Cys	Phe	Leu	Gln	Met	Phe	Val
			100					105					110		
Met	Asn	Ser	Phe	Leu	Thr	Met	Glu	Ser	Cys	Thr	Phe	Met	Val	Met	Ala
		115					120					125			
Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Lys	Pro	Leu	Gln	Tyr	Pro	Ser	Ile
	130					135					140				
Ile	Thr	Asp	Gln	Phe	Val	Val	Arg	Ala	Ala	Ile	Phe	Val	Ala	Ala	Arg
145					150					155					160
Asn	Gly	Ile	Leu	Thr	Met	Pro	Ile	Pro	Ile	Leu	Ser	Ser	Gln	Leu	Arg
				165					170					175	
Tyr	Cys	Ala	Arg	Ile	Ile	Arg	Asn	Cys	Ile	Cys	Thr	Asn	Met	Ser	Val
			180					185					190		
Ser	Lys	Leu	Ser	Cys	Asp	Asp	Ile	Thr	Phe	Asn	Lys	Leu	Tyr	Gln	Phe
		195					200					205			
Val	Ile	Gly	Trp	Thr	Leu	Leu	Gly	Ser	Asp	Leu	Ile	Leu	Ile	Val	Leu
	210					215					220				
Ser	Tyr	Ser	Phe	Ile	Leu	Lys	Ala	Val	Leu	Arg	Ile	Lys	Ala	Glu	Gly
225					230					235					240
Ala	Val	Ala	Lys	Ala	Leu	Ser	Thr	Cys	Gly	Ser	His	Phe	Ile	Leu	Ile
				245					250					255	
Leu	Phe	Phe	Ser	Thr	Val	Leu	Leu	Val	Leu	Val	Ile	Thr	Asn	Leu	Ala
			260					265					270		
Arg	Glu	Arg	Ile	Pro	Pro	Asp	Val	Pro	Ile	Leu	Leu	Asn	Ile	Leu	His
		275					280					285			
His	Leu	Ile	Pro	Pro	Ala	Leu	Asn	Pro	Ile	Val	Tyr	Gly	Val	Arg	Thr
	290					295					300				
Arg	Glu	Ile	Lys	Gln	Gly	Ile	Arg	Asn	Leu	Leu	Arg	Arg	Arg	Leu	
305					310					315					

<210> 1380

<211> 315

<212> PRT

<213> Mus musculus

<400> 1380

Met	Thr	Ala	His	Lys	Asn	Asp	Thr	Asn	Pro	Thr	Gly	Val	Ser	Asp	Phe
1				5					10					15	
Leu	Leu	Asn	Cys	Phe	Val	Arg	Ser	Pro	Ser	Trp	Gln	Leu	Trp	Leu	Ser
		20						25					30		
Leu	Pro	Leu	Ser	Leu	Leu	Phe	Leu	Leu	Ala	Met	Gly	Ala	Asn	Ala	Ile
		35					40					45			
Leu	Leu	Ile	Thr	Ile	Arg	Met	Glu	Ala	Ser	Leu	His	Glu	Pro	Met	Tyr
		50				55					60				
Tyr	Leu	Leu	Ser	Leu	Leu	Ser	Met	Leu	Asp	Ile	Ile	Leu	Cys	Leu	Thr
65					70					75					80
Val	Ile	Pro	Lys	Val	Leu	Ala	Ile	Phe	Trp	Phe	Asp	Leu	Arg	Ala	Ile
				85					90					95	
Gly	Phe	Pro	Ala	Cys	Phe	Leu	Gln	Met	Tyr	Ile	Met	Asn	Ser	Phe	Leu
			100					105					110		
Ala	Met	Glu	Ser	Cys	Thr	Phe	Met	Ile	Met	Ala	Phe	Asp	Arg	Tyr	Ile
		115					120					125			
Ala	Ile	Cys	His	Pro	Leu	Arg	Tyr	Pro	Ser	Ile	Ile	Thr	Asp	Gln	Phe

130		135		140
Val Val Lys Ala Ala Thr Phe Ile Leu Val Arg Asn Val Leu Ile Thr				
145		150		155
Leu Pro Ile Pro Ile Leu Ser Ala Arg Leu His Tyr Cys Gly Arg Asn				
	165		170	
Val Ile Glu Asn Cys Ile Cys Ala Asn Met Ser Val Ser Arg Leu Ser				
	180		185	
Cys Asn Asp Val Asn Val Asn Arg Leu Tyr Gln Phe Ala Ile Gly Trp				
	195		200	
Thr Leu Leu Gly Ser Asp Leu Phe Leu Ile Phe Leu Ser Tyr Thr Leu				
	210		215	
Ile Leu Arg Ala Val Leu Arg Leu Lys Ala Glu Gly Ala Val Ala Lys				
225		230		235
Ala Leu Ser Thr Cys Gly Ser His Phe Ile Leu Ile Leu Phe Phe Ser				
	245		250	
Thr Ile Leu Leu Val Phe Ile Leu Thr His Val Ala Lys Arg Lys Val				
	260		265	
Ser Ser Asp Val Pro Ile Leu Leu Asn Val Leu His His Val Ile Pro				
	275		280	
Ala Ala Leu Asn Pro Ile Val Tyr Gly Val Arg Thr Gln Glu Ile Lys				
	290		295	
Gln Gly Ile Lys Lys Leu Leu Lys Lys Gly Trp			300	
305		310		315

<210> 1381
 <211> 317
 <212> PRT
 <213> Mus musculus

<400> 1381

Met Leu Ile Ser Asn Asn Ser Tyr Glu Ala Pro Gln Ser Phe Ile Leu				
1		5		10
Asn Gly Ile Pro Gly Leu Glu Ala Val His Ile Trp Ile Ser Leu Pro				
	20		25	
Leu Cys Thr Met Tyr Ile Ile Ser Leu Val Gly Asn Leu Gly Leu Val				
	35		40	
Tyr Leu Ile Tyr Tyr Glu Glu Ser Leu His Arg Pro Met Tyr Phe Phe				
	50		55	
Leu Ala Met Leu Ser Leu Ile Asp Leu Phe Thr Cys Thr Thr Thr Val				
65		70		75
Pro Asn Ala Leu Phe Ile Phe Trp Phe Lys Leu Lys Glu Ile Asn Phe				
	85		90	
Thr Ala Cys Leu Val Gln Met Phe Phe Val His Gly Phe Thr Gly Val				
	100		105	
Glu Ser Gly Val Leu Met Leu Met Ala Leu Asp Arg Tyr Val Ala Ile				
	115		120	
Cys Tyr Pro Leu Arg Tyr Ala Thr Ile Leu Thr Asn Pro Val Ile Ala				
	130		135	
Lys Ala Gly Leu Ala Thr Phe Leu Arg Gly Val Leu Leu Met Ile Pro				
145		150		155
Phe Pro Phe Leu Val Lys Arg Leu Pro Phe Cys Arg Ser Asn Val Ile				
	165		170	
Ser His Thr Tyr Cys Asp His Met Ser Val Val Lys Leu Ser Cys Ala				
	180		185	
Ser Ile Lys Ile Asn Val Ile Tyr Gly Leu Met Val Ala Leu Leu Ile				
	195		200	
Gly Val Phe Asp Ile Cys Cys Ile Ser Val Ser Tyr Thr Met Ile Leu				
	210		215	
				220

305

<210> 1383

<211> 319

<212> PRT

<213> Mus musculus

<400> 1383

Met	Glu	Thr	Gly	Asn	Asp	Thr	Gln	Leu	Ser	Glu	Phe	Phe	Leu	Leu	Gly
1				5					10					15	
Phe	Ser	Glu	Asn	Gln	Pro	Gln	Ile	Gln	Pro	Val	Ile	Phe	Gly	Leu	Phe
			20					25					30		
Leu	Phe	Met	Tyr	Ile	Leu	Thr	Phe	Thr	Gly	Asn	Leu	Leu	Ile	Ile	Met
		35					40					45			
Ala	Ile	Ile	Val	Asp	Ser	His	Leu	His	Thr	Pro	Met	Tyr	Leu	Phe	Leu
	50					55					60				
Ser	Asn	Leu	Ser	Phe	Val	Asp	Ile	Cys	Phe	Thr	Ser	Thr	Thr	Val	Pro
65					70					75					80
Gln	Met	Leu	Val	Asn	Ile	His	Thr	Gln	Ser	Lys	Ala	Ile	Thr	Tyr	Ala
				85					90					95	
Gly	Cys	Ile	Ile	Gln	Met	Tyr	Phe	Leu	Leu	Phe	Ser	Gly	Leu	Asp	
			100					105				110			
Ile	Phe	Leu	Leu	Thr	Val	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys
	115						120					125			
His	Pro	Leu	His	Tyr	Met	Ile	Ile	Met	Ser	Thr	Arg	Arg	Cys	Gly	Leu
	130					135					140				
Met	Ile	Leu	Ala	Cys	Trp	Ile	Ile	Gly	Val	Ile	Asn	Ser	Leu	Leu	His
145					150					155					160
Thr	Phe	Leu	Val	Leu	Arg	Leu	Ser	Phe	Cys	Thr	Asn	Leu	Glu	Ile	Pro
				165					170					175	
His	Phe	Phe	Cys	Glu	Leu	Asn	Gln	Val	Val	His	Gln	Ala	Cys	Ser	Asp
			180					185					190		
Thr	Phe	Leu	Asn	Asp	Met	Val	Ile	Tyr	Ile	Thr	Ala	Met	Leu	Leu	Ala
		195					200					205			
Val	Gly	Pro	Phe	Ser	Gly	Ile	Leu	Tyr	Ser	Tyr	Ser	Arg	Ile	Val	Ser
	210					215					220				
Ser	Ile	Cys	Ala	Ile	Ser	Ser	Val	Gln	Gly	Lys	Tyr	Lys	Ala	Phe	Ser
225					230					235					240
Thr	Cys	Ala	Ser	His	Leu	Ser	Val	Val	Ser	Leu	Phe	Tyr	Cys	Thr	Leu
				245					250					255	
Leu	Gly	Val	Tyr	Leu	Ser	Ser	Ala	Val	Thr	Gln	Asn	Ser	His	Ala	Thr
			260					265					270		
Ala	Thr	Ala	Ser	Leu	Met	Tyr	Thr	Val	Val	Thr	Pro	Met	Leu	Asn	Pro
		275					280					285			
Phe	Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Ile	Lys	Thr	Ala	Leu	Lys	Ile
	290					295					300				
Leu	Leu	Gly	Ser	Val	Thr	Arg	Ser	Arg	Ser	Met	Asp	Ser	Pro	Ser	
305					310					315					

<210> 1384

<211> 319

<212> PRT

<213> Mus musculus

<400> 1384

Met	Glu	Pro	Gly	Asn	Asp	Thr	Gln	Leu	Ser	Glu	Phe	Phe	Leu	Leu	Glu
1				5					10					15	

Leu	Ser	Glu	Asn	Gln	Pro	Gln	Ile	Gln	Pro	Leu	Ile	Phe	Gly	Leu	Phe
			20					25					30		
Leu	Ser	Met	Tyr	Leu	Val	Thr	Val	Thr	Gly	Asn	Leu	Leu	Ile	Ile	Met
		35					40					45			
Ala	Ile	Thr	Ala	Asp	Ser	His	Leu	His	Thr	Pro	Met	Tyr	Ile	Phe	Leu
	50					55					60				
Ser	Asn	Leu	Ser	Phe	Val	Asp	Ile	Cys	Phe	Thr	Ser	Thr	Thr	Val	Pro
65					70					75					80
Gln	Met	Leu	Val	Thr	Ile	His	Thr	Gln	Ser	Lys	Ala	Ile	Thr	Tyr	Ala
				85					90					95	
Asn	Cys	Ile	Thr	Gln	Val	Tyr	Phe	Leu	Leu	Leu	Phe	Ser	Val	Leu	Asp
			100					105					110		
Ile	Phe	Leu	Leu	Thr	Val	Met	Ala	Tyr	Asp	His	Tyr	Val	Ala	Ile	Cys
		115					120					125			
His	Pro	Leu	His	Tyr	Met	Ile	Ile	Met	Asn	Thr	Arg	Arg	Cys	Gly	Leu
	130					135					140				
Met	Ile	Leu	Ala	Cys	Trp	Ile	Ile	Gly	Val	Ile	Asn	Ser	Leu	Leu	His
145					150					155					160
Thr	Phe	Leu	Ala	Leu	Arg	Leu	Ser	Phe	Cys	Thr	Asp	Leu	Glu	Ile	Pro
				165					170					175	
His	Phe	Tyr	Cys	Glu	Leu	Asn	Gln	Val	Val	His	His	Ala	Cys	Ser	Asp
			180					185					190		
Ile	Ser	Leu	Asn	Asp	Met	Val	Ile	Tyr	Ile	Ala	Ala	Met	Leu	Leu	Val
		195					200					205			
Val	Gly	Pro	Leu	Ser	Gly	Ile	Leu	Tyr	Ser	Tyr	Ser	Lys	Ile	Val	Ser
	210					215					220				
Ser	Ile	Cys	Ala	Ile	Ser	Ser	Val	Gln	Gly	Lys	Tyr	Lys	Ala	Phe	Ser
225					230					235					240
Thr	Cys	Ala	Ser	His	Leu	Ser	Val	Val	Ser	Leu	Phe	Tyr	Cys	Thr	Leu
				245					250					255	
Leu	Gly	Val	Tyr	Leu	Ser	Ser	Ala	Val	Thr	Gln	Asn	Ala	Gln	Ala	Thr
			260					265					270		
Ala	Leu	Ala	Ser	Leu	Met	Tyr	Thr	Val	Val	Thr	Pro	Met	Leu	Asn	Pro
		275					280					285			
Phe	Ile	Tyr	Ser	Leu	Arg	Asn	Asn	Asp	Met	Lys	Lys	Ala	Leu	Lys	Ile
	290					295					300				
Val	Leu	Gly	Arg	Val	Thr	Arg	Asn	Arg	Leu	Thr	Asp	Leu	Pro	Ser	
305					310					315					

<210> 1385

<211> 312

<212> PRT

<213> Mus musculus

<400> 1385

Met	Arg	Gly	Glu	Asn	Ile	Thr	Lys	Val	Ser	Thr	Phe	Ile	Leu	Leu	Gly
1				5					10					15	
Phe	Pro	Thr	Ala	Pro	Glu	Leu	Gln	Tyr	Leu	Leu	Phe	Leu	Leu	Phe	Leu
			20					25					30		
Leu	Ala	Tyr	Leu	Phe	Val	Leu	Val	Glu	Asn	Leu	Ala	Ile	Ile	Leu	Thr
		35					40					45			
Val	Trp	Ser	Ser	Ala	Ser	Leu	His	Arg	Pro	Met	Tyr	Tyr	Phe	Leu	Gly
	50					55					60				
Ile	Met	Ser	Thr	Leu	Glu	Ile	Trp	Tyr	Val	Cys	Asp	Ile	Ile	Pro	Lys
65					70					75					80
Met	Leu	Asp	Gly	Phe	Leu	Leu	Gln	Arg	Lys	Arg	Ile	Ser	Phe	Ile	Gly
				85					90					95	
Cys	Met	Thr	Gln	Leu	Tyr	Phe	Phe	Ser	Ser	Leu	Val	Cys	Thr	Glu	Cys

Val	Leu	Leu	Ala	Ser	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	His
	115							120				125			
Pro	Leu	Arg	Tyr	Gln	Val	Ile	Met	Thr	Thr	Gly	Leu	Cys	Val	Gln	Leu
	130						135					140			
Val	Ala	Phe	Ser	Phe	Ala	Ser	Gly	Phe	Ser	Ile	Ser	Val	Ile	Lys	Val
145					150					155					160
Tyr	Phe	Ile	Ser	Ser	Ala	Thr	Phe	Cys	Gly	Ser	Asn	Val	Leu	Asn	His
				165					170					175	
Phe	Phe	Cys	Asp	Ile	Ser	Pro	Ile	Leu	Lys	Leu	Ala	Cys	Thr	Asp	Phe
			180					185					190		
Ser	Thr	Ala	Glu	Leu	Val	Asp	Phe	Ile	Leu	Ala	Phe	Ile	Ile	Leu	Val
		195					200					205			
Phe	Pro	Leu	Leu	Ala	Thr	Val	Leu	Ser	Tyr	Gly	His	Ile	Thr	Leu	Ala
	210					215					220				
Val	Leu	Arg	Ile	Pro	Ser	Ala	Thr	Gly	Arg	Trp	Arg	Ala	Phe	Ser	Thr
225					230					235					240
Cys	Ala	Ser	His	Leu	Thr	Val	Val	Thr	Ile	Phe	Tyr	Thr	Ala	Leu	Leu
				245					250					255	
Phe	Met	Tyr	Val	Arg	Pro	Gln	Ala	Ile	Asp	Thr	Arg	Ser	Ser	Asn	Lys
			260					265					270		
Leu	Ile	Ser	Val	Leu	Tyr	Thr	Val	Leu	Thr	Pro	Ile	Leu	Asn	Pro	Leu
		275					280					285			
Ile	Tyr	Cys	Leu	Arg	Asn	Lys	Glu	Phe	Lys	Asp	Ala	Leu	Arg	Lys	Ala
	290					295					300				
Leu	Gly	Leu	Gly	Gln	Ala	Pro	Leu								
305					310										

<210> 1386

<211> 312

<212> PRT

<213> Mus musculus

<400> 1386

Met	Arg	Gly	Glu	Asn	Ile	Thr	Lys	Val	Ser	Thr	Phe	Ile	Leu	Leu	Gly
1				5					10					15	
Phe	Pro	Thr	Ala	Pro	Glu	Leu	Gln	Tyr	Leu	Leu	Phe	Leu	Leu	Phe	Leu
			20					25					30		
Leu	Ala	Tyr	Leu	Phe	Val	Leu	Val	Glu	Asn	Leu	Thr	Ile	Ile	Leu	Thr
		35					40					45			
Val	Trp	Ser	Ser	Ala	Ser	Leu	His	Arg	Pro	Met	Tyr	Tyr	Phe	Leu	Gly
	50					55					60				
Ser	Leu	Ser	Phe	Leu	Glu	Ile	Trp	Tyr	Val	Ser	Asp	Ile	Ile	Pro	Lys
65					70					75				80	
Met	Leu	Asp	Gly	Phe	Leu	Leu	Gln	Arg	Lys	Arg	Ile	Ser	Phe	Ile	Gly
				85					90					95	
Cys	Met	Thr	Gln	Leu	Tyr	Phe	Phe	Ser	Ser	Leu	Val	Cys	Thr	Glu	Cys
			100					105					110		
Val	Leu	Leu	Ala	Ser	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	His
		115					120					125			
Pro	Leu	Arg	Tyr	Gln	Val	Ile	Met	Thr	Thr	Gly	Leu	Cys	Val	Gln	Leu
	130					135					140				
Val	Ala	Phe	Ser	Phe	Ala	Ser	Gly	Phe	Thr	Ile	Ser	Val	Ile	Lys	Val
145					150					155					160
Tyr	Phe	Ile	Ser	Ser	Ala	Thr	Phe	Cys	Gly	Ser	Asn	Val	Leu	Asn	His
				165					170					175	
Phe	Phe	Cys	Asp	Ile	Ser	Pro	Ile	Leu	Lys	Leu	Ala	Cys	Thr	Asp	Phe
			180					185					190		

Ser	Thr	Ala	Glu	Leu	Val	Asp	Phe	Ile	Leu	Ala	Phe	Ile	Ile	Leu	Val
		195					200					205			
Phe	Pro	Leu	Leu	Ala	Thr	Ile	Leu	Ser	Tyr	Gly	His	Ile	Thr	Leu	Ala
	210					215					220				
Val	Leu	Arg	Ile	Pro	Ser	Ala	Thr	Gly	Arg	Trp	Arg	Ala	Phe	Ser	Thr
225					230					235					240
Cys	Ala	Ser	His	Leu	Thr	Val	Val	Thr	Phe	Phe	Tyr	Met	Ala	Met	Ile
			245						250					255	
Phe	Met	Tyr	Val	Arg	Pro	Gln	Ala	Ile	Asp	Thr	Arg	Ser	Ser	Asn	Lys
			260					265					270		
Leu	Ile	Ser	Ala	Val	Tyr	Thr	Val	Leu	Thr	Pro	Met	Met	Asn	Pro	Leu
		275					280					285			
Ile	Tyr	Cys	Leu	Arg	Asn	Thr	Glu	Phe	Lys	Asp	Ala	Val	Arg	Arg	Thr
	290					295					300				
Leu	Gly	Leu	Gly	Asn	Thr	Pro	Gln								
305					310										

<210> 1387

<211> 323

<212> PRT

<213> Mus musculus

<400> 1387

Met	Ala	Thr	Gln	Val	His	Arg	Asn	Gly	Ser	Leu	Ser	Ala	Val	Ser	Leu
1				5					10					15	
Gln	Gly	Phe	Val	Leu	Val	Gly	Phe	Gly	Gly	Gly	Ala	Lys	Thr	Gln	Ala
			20					25					30		
Leu	Leu	Phe	Ala	Val	Phe	Leu	Thr	Leu	Tyr	Val	Val	Thr	Val	Leu	Gly
		35					40					45			
Asn	Leu	Thr	Met	Ile	Val	Val	Ile	Thr	Leu	Asp	Ala	Arg	Leu	His	Ser
	50					55					60				
Pro	Met	Tyr	Phe	Phe	Leu	Lys	Asn	Leu	Ser	Phe	Val	Asp	Phe	Cys	Tyr
65					70					75					80
Ser	Ser	Val	Ile	Ala	Pro	Lys	Ala	Met	Thr	Ile	Phe	Leu	Ser	Ser	Ser
				85					90					95	
Lys	Val	Ile	Ser	Phe	Ala	Gly	Cys	Ala	Thr	Gln	Phe	Phe	Phe	Phe	Ser
		100					105						110		
Leu	Leu	Val	Thr	Thr	Glu	Gly	Phe	Leu	Leu	Ala	Val	Met	Ala	Tyr	Asp
		115					120					125			
Arg	Phe	Met	Ala	Ile	Cys	Ser	Pro	Leu	Arg	Tyr	Pro	Val	Thr	Met	Cys
	130					135					140				
Pro	Met	Ala	Cys	Ala	Arg	Leu	Val	Leu	Gly	Thr	Tyr	Cys	Gly	Gly	Cys
145					150					155					160
Leu	Asn	Ser	Ile	Val	Gln	Thr	Ser	Leu	Thr	Phe	Gln	Leu	Pro	Phe	Cys
				165					170					175	
Ser	Ser	Asn	Arg	Ile	Asp	His	Phe	Tyr	Cys	Asp	Val	Pro	Pro	Leu	Leu
		180						185					190		
Gln	Leu	Ala	Cys	Ala	Asp	Thr	Thr	Leu	Asn	Glu	Phe	Val	Met	Phe	Gly
		195					200					205			
Ile	Cys	Gly	Leu	Ile	Ile	Val	Ser	Thr	Thr	Leu	Val	Val	Leu	Ile	Ser
	210					215					220				
Tyr	Gly	Tyr	Ile	Thr	Met	Thr	Ile	Leu	Arg	Met	Arg	Ser	Gly	Ser	Gly
225					230					235					240
Arg	His	Lys	Val	Phe	Ser	Thr	Cys	Gly	Ser	His	Met	Thr	Ala	Val	Ser
				245					250					255	
Leu	Phe	Tyr	Gly	Thr	Val	Phe	Val	Met	Tyr	Ala	Gln	Pro	Gly	Ala	Leu
			260					265					270		
Thr	Ser	Met	Glu	Gln	Gly	Lys	Val	Val	Ser	Val	Phe	Tyr	Thr	Leu	Val

<212> PRT

<213> Mus musculus

<400> 1389

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Met Leu Asp Met Asn Ile Thr Leu Val Ser Glu Phe Ile Leu Val Gly
 1          5          10          15
Phe Pro Thr Ala Pro Trp Leu Gln Ile Leu Leu Phe Phe Ile Phe Leu
          20          25          30
Val Val Tyr Met Leu Ile Ile Ala Glu Asn Leu Val Ile Ile Phe Thr
          35          40          45
Val Trp Ser Thr Gly Ser Leu His Lys Pro Met Tyr Tyr Phe Leu Ser
          50          55          60
Ser Met Ser Phe Leu Glu Ile Trp Tyr Val Ser Val Thr Val Pro Lys
65          70          75          80
Met Leu Asp Gly Phe Leu Leu Gln Arg Arg His Ile Ser Phe Thr Gly
          85          90          95
Cys Met Thr Gln Leu Tyr Phe Phe Ile Ser Leu Ala Cys Thr Glu Cys
          100          105          110
Val Leu Leu Ala Ala Met Ala Tyr Asp Arg Tyr Val Ala Ile Cys His
          115          120          125
Pro Leu Arg Tyr Pro Val Ile Met Thr Thr Val Tyr Cys Met Gln Leu
130          135          140
Met Ala Leu Ser Tyr Phe Ser Gly Phe Met Val Ser Val Val Lys Val
145          150          155          160
Tyr Phe Ile Ser His Val Ala Phe Cys Gly Ser Asn Val Met Asn His
          165          170          175
Phe Phe Cys Asp Ile Ser Pro Ile Leu Lys Leu Ala Cys Lys Asp Met
          180          185          190
Ser Thr Ala Glu Leu Val Asp Phe Ala Leu Ala Ile Val Ile Leu Val
          195          200          205
Phe Pro Leu Ile Thr Thr Val Leu Ser Tyr Val Tyr Ile Val Ser Thr
          210          215          220
Ile Leu His Ile Pro Ser Thr Gln Gly Arg Lys Lys Ala Phe Ser Thr
225          230          235          240
Cys Ala Ser His Leu Thr Val Val Ile Ile Tyr Tyr Thr Ala Met Ile
          245          250          255
Phe Met Tyr Val Arg Pro Arg Ala Ile Ala Ser Phe Asn Ser Asn Lys
          260          265          270
Leu Ile Ser Ala Val Tyr Ala Val Leu Thr Pro Met Leu Asn Pro Phe
          275          280          285
Ile Tyr Cys Leu Arg Asn Arg Glu Val Lys Asp Ala Ile Lys Lys Thr
          290          295          300
Leu Gly Gly Gly Gln Cys Phe Leu Leu Cys
305          310
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<210> 1390

<211> 324

<212> PRT

<213> Mus musculus

<400> 1390

```
Met Leu Phe Met Leu Ile Pro Met Ala Thr Gly Asn Gln Thr Arg Ile
 1          5          10          15
Thr Glu Phe Ile Leu Met Ser Phe Ser Ser Leu Pro Thr Glu Ile Gln
          20          25          30
Thr Leu Leu Phe Leu Ala Phe Leu Thr Ile Tyr Leu Val Thr Leu Leu
          35          40          45
Gly Asn Ser Leu Ile Ile Leu Val Thr Leu Ala Asp Pro Met Leu Gln
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50		55		60	
Ser	Pro	Met	Tyr	Phe	Phe
65					70
Phe	Asn	Leu	Val	Ile	Val
			85		Pro
Asp	Thr	Ser	Ile	Ser	Phe
			100		Leu
Phe	Phe	Phe	Gly	Val	Ala
			115		Glu
Asp	Arg	Tyr	Val	Ala	Ile
			130		Cys
Asn	Gln	Glu	Thr	Arg	Val
145					150
Phe	Pro	Val	Ala	Thr	Val
			165		Gln
Cys	Ala	Thr	Asn	Lys	Val
			180		Asn
Leu	Arg	Leu	Val	Cys	Ala
			195		Asp
Val	Gly	Thr	Ile	Leu	Val
210					215
Ser	Tyr	Thr	Leu	Ile	Ala
225					230
Gly	Lys	His	Lys	Ala	Phe
					245
Ser	Leu	Phe	Tyr	Val	Ser
			260		Ser
Asn	Asn	Ser	Pro	Glu	Ser
			275		Lys
Val	Thr	Pro	Met	Leu	Asn
			290		Pro
Val	Lys	Ser	Ala	Leu	Ser
305					310
Asn	His	Ile	Thr		

<210> 1391
 <211> 317
 <212> PRT
 <213> Mus musculus

<400> 1391	
Met	Ala
1	5
Phe	Ser
	20
Leu	Thr
	35
Val	Thr
	50
Arg	Asn
65	
Lys	Met
	85
Gly	Cys
	100
Cys	Phe
	115

Asn	Gln	Thr	Arg	Ile	Ala	Glu	Phe	Ile	Leu	Met	Gly
					10					15	
Thr	Glu	Ile	Gln	Thr	Leu	Leu	Phe	Leu	Ala	Phe	
			25						30		
Val	Thr	Leu	Val	Thr	Leu	Gly	Asn	Ser	Leu	Ile	Leu
					40				45		
Val	Thr	Leu	Ala	Asp	Pro	Met	Leu	Gln	Ser	Pro	Met
					55				60		
Arg	Asn	Leu	Ser	Phe	Met	Glu	Ile	Gly	Phe	Asn	Leu
					70				75		
Lys	Met	Leu	Arg	Thr	Leu	Ile	Ala	Gln	Asp	Thr	Ser
					85				90		
Gly	Cys	Ala	Thr	Gln	Met	Tyr	Phe	Phe	Phe	Gly	Val
					100				105		110
Cys	Phe	Leu	Leu	Ala	Thr	Met	Ala	Tyr	Asp	Arg	Tyr
							120				125

Ser	Pro	Leu	His	Tyr	Pro	Ile	Ile	Met	Asn	Gln	Gly	Thr	His	Ala	Arg
	130					135					140				
Leu	Ala	Ala	Ala	Ser	Trp	Phe	Pro	Gly	Phe	Pro	Val	Ala	Thr	Val	Gln
145					150					155					160
Thr	Thr	Trp	Leu	Phe	Ser	Phe	Pro	Phe	Cys	Ala	Asn	Asn	Lys	Val	Asn
				165					170					175	
His	Phe	Phe	Cys	Asp	Ser	Pro	Pro	Val	Leu	Arg	Leu	Val	Cys	Ala	Asp
			180					185					190		
Thr	Ala	Arg	Phe	Glu	Val	Tyr	Ala	Ile	Val	Gly	Thr	Ile	Leu	Val	Val
		195					200					205			
Met	Ile	Pro	Cys	Leu	Leu	Ile	Leu	Cys	Ser	Tyr	Thr	Leu	Ile	Ala	Ala
	210					215					220				
Ser	Ile	Leu	Lys	Ile	Pro	Ser	Ala	Lys	Gly	Lys	His	Lys	Ala	Phe	Ser
225					230					235					240
Thr	Cys	Ser	Ser	His	Leu	Val	Val	Val	Ser	Leu	Phe	Tyr	Val	Ser	Leu
				245					250					255	
Ser	Leu	Thr	Tyr	Phe	Arg	Pro	Lys	Ser	Lys	Asn	Ser	Pro	Glu	Ser	Lys
			260					265					270		
Lys	Leu	Leu	Ser	Leu	Ser	Tyr	Thr	Val	Val	Thr	Pro	Leu	Leu	Asn	Pro
		275					280					285			
Ile	Ile	Tyr	Ser	Leu	Arg	Asn	Asn	Glu	Val	Lys	Asn	Ala	Leu	Ser	Arg
	290					295					300				
Thr	Phe	His	Lys	Ala	Leu	Ala	Leu	Arg	Lys	Phe	Ile	Leu			
305					310					315					

<210> 1392

<211> 316

<212> PRT

<213> Mus musculus

<400> 1392

Met	Glu	Pro	Trp	Asn	Ser	Thr	Leu	Gly	Thr	Asp	Phe	Asn	Leu	Val	Gly
1				5					10					15	
Ile	Leu	Asp	Asp	Ser	Gly	Ser	Pro	Glu	Leu	Leu	Cys	Ala	Thr	Phe	Thr
			20					25					30		
Ala	Leu	Tyr	Met	Leu	Ala	Leu	Ile	Ser	Asn	Gly	Leu	Leu	Ile	Leu	Val
		35					40					45			
Ile	Thr	Met	Asp	Ala	Arg	Leu	His	Val	Pro	Met	Tyr	Phe	Leu	Leu	Gly
	50					55					60				
Gln	Leu	Ser	Leu	Met	Asp	Leu	Leu	Phe	Thr	Ser	Val	Val	Thr	Pro	Lys
65				70					75					80	
Ala	Val	Ile	Asp	Phe	Leu	Leu	Arg	Asp	Asn	Thr	Ile	Ser	Phe	Glu	Gly
				85					90					95	
Cys	Ser	Leu	Gln	Met	Phe	Leu	Ala	Leu	Thr	Leu	Gly	Gly	Ala	Glu	Asp
			100					105					110		
Leu	Leu	Leu	Ala	Phe	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	His
		115					120					125			
Pro	Leu	Asn	Tyr	Met	Ile	Phe	Met	Arg	Pro	Ser	Ile	Cys	Trp	Leu	Met
		130				135					140				
Val	Ala	Thr	Ser	Trp	Ile	Leu	Ala	Ser	Leu	Met	Ala	Leu	Gly	Tyr	Thr
145					150					155					160
Thr	Tyr	Thr	Met	Gln	Tyr	Ser	Tyr	Cys	Lys	Ser	Arg	Lys	Ile	Arg	His
				165					170					175	
Leu	Leu	Cys	Glu	Ile	Pro	Pro	Leu	Leu	Lys	Leu	Ala	Cys	Ala	Asp	Thr
			180					185					190		
Ser	Lys	Tyr	Glu	Leu	Met	Val	Tyr	Val	Met	Gly	Val	Thr	Phe	Leu	Ile
		195					200					205			
Pro	Pro	Leu	Ala	Ala	Ile	Leu	Ala	Ser	Tyr	Ser	Leu	Ile	Leu	Phe	Thr

210		215		220
Val Leu His Met Pro Ser Asn Glu Gly Arg Lys Lys Ala Leu Val Thr				
225		230		235
Cys Ser Ser His Leu Thr Val Val Gly Met Phe Tyr Gly Ala Ala Thr				
	245		250	
Phe Met Tyr Val Leu Pro Ser Ser Phe His Ser Pro Arg Gln Asp Asn				
	260		265	
Ile Ile Ser Val Phe Tyr Thr Ile Val Thr Pro Ala Leu Asn Pro Leu				
	275		280	
Ile Tyr Ser Leu Arg Asn Lys Glu Val Thr Gly Ala Leu Ile Arg Val				
	290		295	
Leu Gly Arg Tyr Ile Val Pro Ala His Pro Thr Leu				
305		310		315

<210> 1393

<211> 326

<212> PRT

<213> Mus musculus

<400> 1393

Met Glu Phe Val Leu Ser Ala Asp Lys Lys Glu Ile Lys Ser Lys Asn	
1 5 10 15	
Leu Asn Ile Ser Ile Thr Glu Phe Val Leu Leu Gly Phe Ser Asp Val	
	20 25 30
Pro Gln Leu Gln Trp Met Leu Phe Gly Ile Phe Leu Phe Met Tyr Leu	
	35 40 45
Ser Ile Leu Ile Ser Asn Ser Ile Ile Met Leu Ile Thr Arg Thr Asp	
	50 55 60
Ser Ala Leu Gln Thr Pro Met Tyr Phe Phe Leu Ser Asn Phe Ser Phe	
65 70 75 80	
Val Glu Ile Cys Tyr Val Thr Val Thr Ile Pro Arg Met Leu Met Asp	
	85 90 95
Leu Cys Thr Gln Lys Gly Thr Ile Ser Leu Leu Ser Cys Ala Val Gln	
	100 105 110
Leu Cys Phe Val Ile Met Leu Gly Gly Met Glu Phe Leu Leu Leu Thr	
	115 120 125
Val Met Ala Tyr Asp Arg Tyr Val Ala Ile Cys Asn Pro Leu His Tyr	
	130 135 140
Pro Leu Val Met Asn Asn Lys Val Cys Val Gln Leu Val Ala Ala Cys	
145 150 155 160	
Trp Ile Cys Ile Ile Pro Val Val Thr Gly Gln Thr Tyr Gln Ile Phe	
	165 170 175
Ser Leu Pro Tyr Cys Gly Ser Asn Lys Ile His His Phe Phe Cys Asp	
	180 185 190
Ile Pro Pro Leu Leu Lys Leu Ala Cys Gly Asp Thr Phe Val Asn Asn	
	195 200 205
Leu Ala Ile Tyr Ile Ala Ser Val Val Phe Ile Met Val Pro Phe Leu	
	210 215 220
Leu Ile Leu Val Ser Tyr Gly Lys Ile Ile Cys Asn Val Leu Lys Leu	
225 230 235 240	
Ala Thr Ser Gly Gly Arg Ser Lys Ala Phe Ser Thr Cys Ser Ser His	
	245 250 255
Leu Ile Val Val Val Leu Phe Tyr Gly Thr Ala Thr Ile Thr Tyr Ala	
	260 265 270
Gln Pro Lys Ala Tyr Gln Ser Glu Thr Leu Gly Lys Leu Leu Ser Leu	
	275 280 285
Phe Tyr Thr Ile Leu Ile Pro Leu Leu Asn Pro Ile Ile Tyr Thr Leu	
	290 295 300

Arg Asn Lys Asp Ile Met Val Ala Leu Arg Lys Leu Gln Thr Lys Leu
 305 310 315 320
 Ser Thr Tyr Gly Asn Thr
 325

<210> 1394
 <211> 312
 <212> PRT
 <213> Mus musculus

<400> 1394
 Met Thr Phe Glu Asn Phe Thr Met Leu Thr Glu Phe Val Phe Leu Gly
 1 5 10 15
 Leu Ser Gly Arg Gln Asp Val Gln Gln Gly Leu Phe Ala Leu Phe Phe
 20 25 30
 Leu Val Tyr Gly Ile Thr Val Ile Ala Asn Leu Gly Met Val Ile Leu
 35 40 45
 Ile Lys Leu Asp Ser Arg Leu His Thr Pro Met Tyr Tyr Phe Leu Ser
 50 55 60
 Asn Leu Ser Phe Cys Asp Ile Cys Tyr Ser Ser Thr Val Ser Pro Lys
 65 70 75 80
 Met Leu Ala Asp Phe Leu Ser Lys Glu Lys Arg Ile Pro Tyr Asn Leu
 85 90 95
 Cys Ala Val Gln Met Tyr Phe Phe Gly Ala Phe Ala Asp Val Glu Cys
 100 105 110
 Leu Met Leu Ala Val Met Ala Tyr Asp Arg Tyr Val Ala Ile Cys Asn
 115 120 125
 Pro Leu Leu Tyr Thr Ile Val Met Ser Lys Lys Leu Cys Ile Gln Leu
 130 135 140
 Val Ala Val Ala Tyr Ala Ile Gly Leu Val Asp Ser Ala Ile His Thr
 145 150 155 160
 Ser Cys Thr Phe Arg Leu Ser Phe Cys Asn Ser Asn Val Ile Asn His
 165 170 175
 Phe Phe Cys Asp Ile Pro Pro Leu Leu Ala Leu Ser Cys Ser Asp Thr
 180 185 190
 Ser Ile Asn Glu Ile Val Met Phe Thr Phe Ile Gly Cys Val Val Gly
 195 200 205
 Ile Ser Ile Val Thr Val Leu Leu Ser Tyr Cys Tyr Ile Ile Ala Thr
 210 215 220
 Ile Cys Arg Met Asn Ser Ala Glu Gly Arg His Lys Ala Phe Ser Thr
 225 230 235 240
 Cys Ala Ser His Leu Met Ala Val Ala Ile Phe His Gly Thr Leu Leu
 245 250 255
 Phe Met Tyr Phe Arg Pro Ser Ser Ser Tyr Ser Met Asp Thr Asp Lys
 260 265 270
 Met Ala Ser Val Phe Tyr Thr Val Val Ile Pro Met Leu Asn Pro Leu
 275 280 285
 Ile Tyr Ser Leu Arg Asn Lys Asp Val Lys Gly Ala Leu Lys Lys Ala
 290 295 300
 Ile Asn Ile Asn Leu Trp Pro Gly
 305 310

<210> 1395
 <211> 314
 <212> PRT
 <213> Mus musculus

<400> 1395

Met	Glu	His	Ser	Glu	Asn	Ser	Ala	Met	Asp	Asn	Ala	Thr	Ser	Val	Thr
1				5					10					15	
Gln	Phe	Leu	Leu	Leu	Gly	Phe	Ser	Gly	Val	Pro	Asn	Leu	Gln	Thr	Phe
		20						25					30		
Leu	Phe	Gly	Met	Phe	Ser	Ile	Met	Tyr	Val	Val	Ile	Leu	Ile	Gly	Asn
		35					40					45			
Thr	Ser	Ile	Leu	Val	Ile	Ala	Arg	Ile	Asp	Pro	Ala	Leu	Gln	Lys	Pro
	50					55					60				
Met	Tyr	Tyr	Phe	Leu	Ala	Asn	Phe	Ser	Phe	Leu	Glu	Ile	Cys	Tyr	Val
65				70					75					80	
Ser	Val	Thr	Leu	Pro	Arg	Ile	Leu	Tyr	Asn	Leu	Trp	Thr	Gln	Asp	Arg
			85						90				95		
Gly	Ile	Cys	Leu	Leu	Ala	Cys	Ala	Ile	Gln	Met	Phe	Phe	Phe	Leu	Ile
			100					105					110		
Leu	Ala	Ala	Thr	Glu	Cys	Phe	Leu	Leu	Ala	Val	Met	Ser	Tyr	Asp	Arg
		115					120					125			
Tyr	Val	Ala	Ile	Cys	Asn	Pro	Leu	His	Tyr	Pro	Leu	Val	Met	Asn	Pro
	130					135					140				
Thr	Lys	Cys	Thr	Gln	Leu	Ala	Val	Gly	Ser	Trp	Leu	Gly	Gly	Ile	Pro
145				150					155					160	
Val	Gln	Ile	Gly	Gln	Thr	Cys	Arg	Ile	Phe	Ser	Leu	His	Phe	Cys	Asn
				165					170					175	
Ser	Asn	Ile	Ile	Glu	His	Phe	Phe	Cys	Asp	Val	Pro	Pro	Ile	Leu	Lys
			180					185					190		
Leu	Ala	Cys	Gly	Asp	Thr	Ser	Met	His	Glu	Leu	Ser	Val	Tyr	Leu	Val
		195					200					205			
Ala	Met	Phe	Phe	Val	Ala	Ser	Pro	Phe	Met	Leu	Ile	Leu	Ala	Ser	Tyr
	210					215					220				
Ser	Lys	Ile	Ile	Ala	Thr	Ile	Leu	Lys	Leu	Pro	Thr	Ala	Thr	Gly	Arg
225				230						235				240	
Ala	Lys	Ala	Phe	Ser	Thr	Cys	Ser	Ser	His	Leu	Val	Val	Val	Leu	Leu
				245					250					255	
Phe	Phe	Gly	Ser	Ala	Thr	Ile	Asn	Tyr	Leu	Arg	Pro	Lys	Ser	Ile	His
		260						265					270		
Ser	Val	Gly	Thr	Asp	Glu	Leu	Leu	Ser	Leu	Phe	Tyr	Thr	Ile	Val	Thr
		275				280						285			
Pro	Met	Phe	Asn	Pro	Leu	Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Val	Ile
	290					295					300				
Ala	Ala	Leu	Arg	Arg	Leu	Leu	Lys	Ile							
305					310										

<210> 1396

<211> 318

<212> PRT

<213> Mus musculus

<400> 1396

Met	Asn	His	Gln	Gln	Lys	Pro	Gln	Glu	Gly	Asn	Leu	Thr	Asn	Leu	Lys
1				5					10					15	
Glu	Phe	Val	Leu	Leu	Gly	Phe	Ser	Asp	Val	Pro	Asp	Leu	Gln	Trp	Val
			20					25					30		
Leu	Phe	Gly	Leu	Leu	Ile	Ala	Met	Tyr	Cys	Phe	Ile	Leu	Leu	Gly	Asn
		35					40					45			
Gly	Thr	Ile	Val	Leu	Ile	Thr	Asn	Val	Asp	Ser	Ala	Leu	Gln	Thr	Pro
	50					55					60				
Met	Tyr	Phe	Phe	Leu	Gly	Asn	Phe	Ser	Phe	Leu	Glu	Ile	Cys	Tyr	Val
65				70					75					80	

Ser	Ile	Thr	Leu	Pro	Arg	Met	Val	Phe	Asn	Leu	Gly	Thr	Gln	Arg	Arg	
				85					90					95		
Thr	Ile	Ser	Phe	Ile	Ala	Cys	Ala	Thr	Gln	Met	Cys	Phe	Thr	Leu	Ile	
			100					105					110			
Leu	Gly	Ala	Thr	Glu	Cys	Phe	Leu	Leu	Ala	Val	Met	Ala	Tyr	Asp	Arg	
		115					120					125				
Tyr	Val	Ala	Ile	Cys	Asn	Pro	Leu	His	Tyr	Pro	Leu	Val	Met	Asn	Gln	
	130					135					140					
Lys	Val	Cys	Ser	Gln	Leu	Val	Ile	Gly	Ser	Trp	Ile	Ser	Gly	Ile	Pro	
145					150					155					160	
Ile	Gln	Ile	Gly	Gln	Thr	Ser	His	Ile	Phe	Ser	Leu	Ser	Phe	Cys	Gly	
				165					170					175		
Ser	Asn	Gln	Ile	Asn	His	Phe	Phe	Cys	Asp	Ile	Pro	Pro	Ile	Leu	His	
			180					185					190			
Leu	Ala	Cys	Gly	Asp	Ile	Phe	Ile	Asn	Glu	Met	Met	Val	Phe	Leu	Gly	
		195					200					205				
Ala	Phe	Leu	Phe	Val	Leu	Phe	Pro	Phe	Met	Leu	Ile	Val	Phe	Ser	Tyr	
	210					215					220					
Ser	Lys	Ile	Ile	Ser	Thr	Val	Leu	Lys	Leu	Ser	Ser	Thr	Lys	Ser	Arg	
225					230					235					240	
Ala	Lys	Ala	Phe	Ser	Thr	Cys	Ser	Ser	His	Leu	Ala	Val	Val	Ile	Leu	
				245					250					255		
Phe	Phe	Gly	Ser	Ala	Met	Ile	Thr	Tyr	Phe	Arg	Ser	Asn	Ala	Ser	His	
			260					265					270			
Ser	Gly	Glu	Thr	Asp	Lys	Val	Leu	Ser	Leu	Phe	Tyr	Thr	Val	Val	Thr	
		275					280					285				
Pro	Met	Phe	Asn	Pro	Met	Val	Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Val	Thr	
	290					295					300					
Ile	Ala	Leu	Arg	Lys	Phe	Leu	Cys	Lys	Gln	Phe	Val	Lys	Ile			
305					310					315						

<210> 1397

<211> 317

<212> PRT

<213> Mus musculus

<400> 1397

Met	Glu	Gly	Asp	Asn	Thr	Ser	Ser	Thr	Asp	Phe	Thr	Phe	Met	Gly	Leu	
1				5					10					15		
Phe	Asn	Thr	Glu	Glu	Thr	Ser	Gly	Leu	Val	Phe	Ala	Thr	Ile	Ser	Val	
			20					25					30			
Ile	Phe	Leu	Thr	Ala	Leu	Val	Ala	Asn	Gly	Ile	Met	Ile	Phe	Leu	Ile	
		35					40					45				
His	Thr	Asp	Ala	His	Leu	His	Thr	Pro	Met	Tyr	Phe	Leu	Leu	Ser	His	
	50					55					60					
Leu	Ser	Phe	Ile	Asp	Met	Met	Tyr	Ile	Ser	Thr	Ile	Val	Pro	Lys	Met	
65					70					75					80	
Leu	Val	Asp	Tyr	Leu	Leu	Gly	Gln	Arg	Thr	Ile	Ser	Phe	Val	Gly	Cys	
				85					90					95		
Thr	Ala	Gln	His	Phe	Leu	Tyr	Leu	Thr	Leu	Val	Gly	Ala	Glu	Phe	Phe	
			100					105					110			
Leu	Leu	Gly	Leu	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Asn	Pro	
		115					120					125				
Leu	Arg	Tyr	Pro	Val	Leu	Met	Ser	Arg	Arg	Ile	Cys	Trp	Ile	Ile	Ile	
	130					135					140					
Ala	Gly	Ser	Trp	Phe	Gly	Gly	Ser	Leu	Asp	Gly	Phe	Leu	Leu	Thr	Pro	
145					150					155					160	
Ile	Thr	Met	Ser	Phe	Pro	Phe	Cys	Arg	Ser	Arg	Glu	Ile	Asn	His	Phe	

Phe	Cys	Glu	Ala	165	Pro	Ala	Val	Leu	Lys	170	Leu	Ala	Cys	Ala	Asp	175	Thr	Ala
			180							185						190		
Leu	Tyr	Glu	Thr	Val	Met	Tyr	Val	Cys	Cys	Val	Leu	Met	Leu	Leu	Ile			
		195						200						205				
Pro	Phe	Ser	Val	Val	Ile	Ser	Ser	Tyr	Ala	Arg	Ile	Leu	Ala	Thr	Val			
		210					215						220					
Tyr	His	Met	Ser	Ser	Val	Glu	Gly	Arg	Lys	Lys	Ala	Phe	Ala	Thr	Cys			
225					230					235					240			
Ser	Ser	His	Met	Thr	Val	Val	Thr	Leu	Phe	Tyr	Gly	Ala	Ala	Ile	Tyr			
				245						250				255				
Thr	Tyr	Met	Val	Pro	His	Ser	Tyr	His	Ser	Pro	Ser	Gln	Asp	Lys	Ile			
		260						265					270					
Phe	Ser	Val	Phe	Tyr	Thr	Ile	Leu	Thr	Pro	Met	Leu	Asn	Pro	Leu	Ile			
		275						280					285					
Tyr	Ser	Met	Arg	Asn	Lys	Asp	Val	Ser	Gly	Gly	Leu	Arg	Arg	Ala	Leu			
		290				295					300							
Gly	Lys	Ile	Arg	Ser	Ser	Gln	Arg	Val	Ser	Lys	Asp	Tyr						
305					310					315								

<210> 1398

<211> 309

<212> PRT

<213> Mus musculus

<400> 1398

Met	Ala	Ile	Asn	Asn	Ser	Thr	Thr	Val	Val	Glu	Phe	Val	Leu	Gln	Gly			
1				5					10					15				
Leu	Ser	Glu	Asp	Pro	Gly	Leu	Gln	Ala	Leu	Phe	Leu	Ala	Phe	Phe	Leu			
			20					25					30					
Leu	Leu	Tyr	Ile	Leu	Ala	Leu	Ala	Gly	Asn	Thr	Leu	Ile	Ile	Ile	Ala			
		35					40					45						
Ile	Ser	Leu	Asn	Pro	Arg	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Ala			
		50				55					60							
Asn	Leu	Ala	Leu	Leu	Asp	Ile	Ile	Cys	Thr	Ser	Thr	Val	Val	Pro	Lys			
65					70					75				80				
Leu	Leu	Glu	Gly	Leu	Val	Gly	Lys	Ser	Ser	His	Ile	Ser	Tyr	Lys	Gly			
			85					90						95				
Cys	Met	Thr	Gln	Val	Phe	Phe	Leu	Ile	Trp	Val	Leu	Gly	Ala	Glu	Leu			
			100					105					110					
Leu	Leu	Leu	Thr	Ala	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Arg			
		115					120					125						
Pro	Leu	His	Tyr	Asn	Thr	Leu	Met	Ser	Trp	Pro	Ile	Cys	Val	Leu	Leu			
		130				135					140							
Ala	Gly	Phe	Val	Trp	Val	Ile	Gly	Ile	Ala	Asn	Thr	Ser	Val	His	Ile			
145					150				155					160				
Gly	Leu	Leu	Val	Arg	Leu	Asn	Phe	Cys	Gly	Ser	Asn	Gln	Ile	Arg	His			
			165					170					175					
Phe	Leu	Cys	Glu	Val	Pro	Thr	Leu	Leu	Leu	Leu	Ser	Cys	Ser	Pro	Thr			
			180				185						190					
Thr	Leu	Asn	Asn	Ile	Met	Leu	Val	Ile	Ala	Asp	Val	Tyr	Phe	Gly	Val			
		195					200					205						
Leu	Asn	Phe	Leu	Leu	Thr	Met	Ile	Ser	Tyr	Ser	Phe	Ile	Ile	Ser	Ser			
		210				215					220							
Ile	Leu	Arg	Ile	Arg	Ser	Ala	Glu	Gly	Lys	Lys	Arg	Ala	Phe	Ser	Thr			
225					230					235					240			
Cys	Ser	Ala	His	Leu	Val	Val	Val	Thr	Leu	Tyr	Tyr	Ser	Thr	Ile	Ile			
				245					250					255				

Tyr	Thr	Tyr	Leu	Gln	Pro	Gly	Ser	Gly	Ser	Ser	Phe	Gln	Asn	Ser	Lys
			260					265					270		
Val	Val	Thr	Leu	Leu	Tyr	Thr	Ala	Val	Ser	Pro	Thr	Leu	Asn	Pro	Ile
		275					280					285			
Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Val	Lys	Val	Ala	Leu	Lys	Arg	Leu
	290					295					300				
Phe	Pro	Cys	Phe	His											
305															

<210> 1399
 <211> 311
 <212> PRT
 <213> Mus musculus

<400> 1399

Met	Ile	Lys	Asn	Asn	Gln	Thr	Leu	Phe	Asn	Gln	Phe	Leu	Leu	Leu	Gly
1				5					10					15	
Leu	Pro	Ile	Pro	Ala	Glu	His	Gln	Gln	Leu	Phe	Phe	Ala	Leu	Phe	Leu
			20					25					30		
Ser	Met	Tyr	Leu	Thr	Thr	Ile	Leu	Gly	Asn	Leu	Ile	Ile	Ile	Ile	Leu
		35					40					45			
Ile	Arg	Leu	Asp	Ser	His	Leu	His	Thr	Pro	Met	Tyr	Leu	Phe	Leu	Ser
	50					55					60				
Asn	Leu	Ser	Phe	Ser	Asp	Leu	Cys	Phe	Ser	Ser	Val	Thr	Met	Pro	Lys
65					70					75					80
Leu	Leu	Gln	Asn	Met	Gln	Ser	Gln	Asp	Thr	Ser	Ile	Thr	Tyr	Ala	Gly
			85						90					95	
Cys	Leu	Thr	Gln	Met	Tyr	Phe	Phe	Val	Leu	Phe	Gly	Gly	Leu	Glu	Ile
			100					105					110		
Phe	Leu	Leu	Val	Val	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Leu
		115					120					125			
Pro	Leu	His	Tyr	Thr	Ser	Ile	Met	Ser	Leu	Lys	Leu	Cys	Val	Cys	Leu
	130					135						140			
Val	Leu	Leu	Ser	Trp	Val	Ile	Ser	Ile	Leu	Asn	Ser	Met	Leu	His	Thr
145					150					155					160
Leu	Leu	Leu	Ala	Arg	Leu	Ser	Phe	Cys	Glu	Asp	Asn	Met	Ile	Arg	His
			165						170					175	
Phe	Phe	Cys	Asp	Met	Ser	Ala	Leu	Leu	Lys	Leu	Ala	Cys	Ser	Asp	Ile
			180					185					190		
Tyr	Ile	Asn	Glu	Leu	Met	Ile	Phe	Ile	Leu	Gly	Gly	Pro	Leu	Met	Val
		195					200					205			
Ile	Pro	Phe	Leu	Leu	Ile	Val	Met	Ser	Tyr	Val	Gln	Ile	Ile	Phe	Ser
	210					215					220				
Ile	Leu	Lys	Ala	Ser	Ser	Thr	Arg	Ala	Ile	Tyr	Lys	Val	Phe	Ser	Thr
225					230					235					240
Cys	Gly	Ser	His	Leu	Thr	Val	Val	Ser	Leu	Phe	Tyr	Gly	Thr	Ile	Ile
				245					250					255	
Gly	Leu	Tyr	Leu	Cys	Pro	Ser	Ala	Asn	Asn	Phe	Thr	Ala	Lys	Glu	Ala
			260					265					270		
Ser	Ile	Ala	Ile	Met	Tyr	Thr	Val	Val	Thr	Pro	Met	Leu	Asn	Pro	Phe
		275					280					285			
Ile	Tyr	Ser	Leu	Arg	Asn	Arg	Asp	Ile	Lys	Glu	Ala	Leu	Ile	Asn	Val
	290					295					300				
Leu	Ile	Lys	Lys	Ile	Pro	Leu									
305					310										

<210> 1400

<211> 314
 <212> PRT
 <213> Mus musculus

<400> 1400
 Met Thr Arg Arg Asn Gln Thr Val Ile Ser Gln Phe Leu Leu Leu Gly
 1 5 10 15
 Leu Pro Ile Pro Pro Glu His Gln Gln Leu Tyr Tyr Ala Leu Leu Leu
 20 25 30
 Ser Met Tyr Leu Thr Thr Val Leu Gly Asn Leu Ile Ile Ile Ile Leu
 35 40 45
 Ile Leu Leu Asp Ser His Leu His Thr Pro Met Tyr Leu Phe Leu Ser
 50 55 60
 Asn Leu Ser Phe Ala Asp Leu Cys Phe Ser Ser Val Thr Met Pro Lys
 65 70 75 80
 Leu Leu Gln Asn Met Gln Ser Lys Val Pro Ser Ile Pro Tyr Ala Gly
 85 90 95
 Cys Leu Ala Gln Ile Tyr Phe Phe Leu Tyr Phe Gly Asp Leu Gly Asn
 100 105 110
 Phe Leu Leu Val Ala Met Ala Tyr Asp Arg Tyr Val Ala Ile Cys Phe
 115 120 125
 Pro Leu His Tyr Met Ser Ile Met Ser Pro Arg Leu Cys Val Ser Leu
 130 135 140
 Val Leu Leu Ser Trp Val Leu Thr Thr Phe His Ala Met Leu His Thr
 145 150 155 160
 Leu Leu Met Ala Arg Leu Ser Phe Cys Glu Asp Asn Val Ile Pro His
 165 170 175
 Tyr Phe Cys Asp Met Ser Thr Leu Leu Lys Val Ala Cys Ser Asp Thr
 180 185 190
 His Asp Asn Glu Leu Ala Ile Phe Ile Leu Gly Gly Pro Ile Val Val
 195 200 205
 Leu Pro Phe Leu Leu Ile Ile Val Ser Tyr Ala Arg Ile Val Ser Ser
 210 215 220
 Ile Phe Lys Phe Pro Ser Phe Gln Gly Ile Arg Lys Ala Phe Ser Thr
 225 230 235 240
 Cys Gly Ser His Leu Ser Val Val Ser Leu Phe Tyr Gly Thr Val Ile
 245 250 255
 Gly Leu Tyr Leu Cys Pro Ser Ala Asn Asn Thr Tyr Val Lys Glu Thr
 260 265 270
 Ile Met Ser Leu Met Tyr Thr Met Val Thr Pro Met Leu Asn Pro Phe
 275 280 285
 Ile Tyr Ser Leu Ser Asn Arg Asp Ile Lys Asp Ala Leu Glu Lys Ile
 290 295 300
 Met Cys Lys Arg Gln Ile Pro Phe Phe Leu
 305 310

<210> 1401
 <211> 312
 <212> PRT
 <213> Mus musculus

<400> 1401
 Met Ile Lys Asn Asn Gln Thr Val Ile Ser Gln Phe Leu Leu Leu Gly
 1 5 10 15
 Leu Pro Ile Pro Pro Glu His Gln His Leu Phe Tyr Ala Leu Phe Leu
 20 25 30
 Ala Met Tyr Leu Thr Thr Val Leu Gly Asn Leu Ile Ile Ile Ile Leu
 35 40 45

Ile	Ile	Leu	Asp	Phe	His	Leu	His	Thr	Pro	Ile	Tyr	Leu	Phe	Leu	Ser
	50					55				60					
Asn	Leu	Ser	Phe	Ser	Asp	Leu	Cys	Phe	Ser	Ser	Val	Thr	Met	Pro	Lys
65					70				75						80
Leu	Leu	Gln	Asn	Met	Gln	Ser	Gln	Asp	Thr	Thr	Ile	Ser	Tyr	Val	Gly
			85						90					95	
Cys	Leu	Thr	Gln	Met	Tyr	Phe	Pro	Asn	Val	Phe	Ala	Asn	Leu	Glu	Asn
			100					105					110		
Phe	Leu	Leu	Met	Phe	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Tyr
		115					120					125			
Pro	Leu	Arg	Tyr	Thr	Ser	Ile	Met	Ser	Pro	Ile	Leu	Cys	Val	Cys	Met
	130					135					140				
Val	Phe	Met	Ser	Trp	Leu	Leu	Thr	Met	Leu	Asn	Ser	Thr	Leu	His	Thr
145					150					155					160
Val	Leu	Ile	Val	Lys	Leu	Ser	Phe	Cys	Glu	Asp	Asn	Val	Ile	Pro	His
				165					170					175	
Phe	Phe	Cys	Asp	Ile	Ser	Ala	Val	Leu	Lys	Leu	Ala	Cys	Ser	Asp	Ile
			180					185					190		
Tyr	Ile	Asn	Glu	Leu	Thr	Ile	Phe	Ile	Thr	Gly	Ala	Phe	Ile	Ile	Val
		195					200					205			
Ile	Pro	Phe	Leu	Leu	Ile	Val	Val	Ser	Tyr	Val	Gln	Ile	Val	Cys	Ser
	210					215					220				
Ile	Leu	Lys	Phe	Ser	Ser	Thr	Arg	Gly	Ile	Ala	Lys	Ile	Phe	Ser	Thr
225					230					235					240
Cys	Gly	Ser	His	Leu	Ser	Val	Val	Ser	Leu	Phe	Tyr	Gly	Thr	Ile	Ile
				245					250					255	
Gly	Leu	Tyr	Leu	Cys	Pro	Ser	Thr	Asn	Asn	Ser	Thr	Val	Lys	Asp	Thr
			260					265					270		
Ala	Met	Ala	Met	Met	Tyr	Thr	Val	Val	Thr	Pro	Met	Leu	Asn	Pro	Phe
		275					280					285			
Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Met	Lys	Glu	Ala	Leu	Ile	Arg	Val
	290					295					300				
Leu	Cys	Lys	Lys	Glu	Ile	Ser	Leu								
305					310										

<210> 1402

<211> 311

<212> PRT

<213> Mus musculus

<400> 1402

Met	Ile	Met	Asn	Asn	Lys	Thr	Val	Ile	Thr	Gln	Phe	Ile	Leu	Leu	Gly
1				5					10					15	
Leu	Pro	Ile	Leu	Pro	Glu	Tyr	Gln	His	Leu	Phe	Tyr	Ala	Leu	Phe	Leu
			20					25					30		
Ser	Met	Tyr	Leu	Thr	Thr	Ile	Leu	Gly	Asn	Leu	Ile	Ile	Ile	Ile	Leu
		35					40					45			
Ile	Gln	Leu	Asp	Ser	His	Leu	His	Thr	Pro	Ile	Tyr	Leu	Phe	Leu	Ser
	50					55					60				
Asn	Leu	Ser	Phe	Ser	Asp	Leu	Cys	Phe	Ser	Ser	Val	Thr	Met	Pro	Lys
65					70					75					80
Leu	Leu	Leu	Asn	Met	Gln	Ser	Gln	Asp	Thr	Ser	Ile	Pro	Tyr	Ala	Gly
			85						90					95	
Cys	Leu	Thr	Gln	Met	Tyr	Phe	Ser	Asn	Leu	Phe	Gly	Ser	Leu	Glu	Ile
			100					105					110		
Phe	Leu	Leu	Val	Ile	Met	Ala	Tyr	Asp	Arg	Tyr	Ala	Ala	Ile	Cys	Leu
		115					120					125			
Pro	Leu	His	Tyr	Thr	Ser	Ile	Met	Ser	Pro	Lys	Leu	Cys	Val	Cys	Leu

130	Val	Leu	Leu	Ser	Trp	Val	Ile	Ser	Met	Leu	Tyr	Ser	Met	Leu	His	Thr
145	Leu	Leu	Leu	Ala	Arg	Leu	Ser	Phe	Cys	Glu	Asp	Asn	Val	Ile	Pro	His
				165						170					175	
	Phe	Phe	Cys	Asp	Ile	Ser	Ala	Leu	Leu	Lys	Leu	Ala	Cys	Ser	Asp	Ile
				180						185					190	
	His	Ile	Asn	Glu	Leu	Met	Ile	Phe	Phe	Leu	Gly	Gly	Pro	Leu	Thr	Val
			195					200					205			
	Ile	Pro	Phe	Leu	Leu	Ile	Val	Val	Ser	Tyr	Ile	Gln	Ile	Val	Phe	Ser
		210					215					220				
	Ile	Leu	Lys	Ile	Ser	Ser	Thr	Arg	Ala	Ile	His	Lys	Val	Phe	Ser	Thr
225						230					235					240
	Cys	Gly	Ser	His	Leu	Ser	Val	Val	Ser	Leu	Phe	Tyr	Gly	Thr	Ile	Ile
					245					250					255	
	Gly	Leu	Tyr	Leu	Cys	Pro	Ser	Ala	Asn	Asn	Phe	Ser	Val	Lys	Lys	Ala
				260					265					270		
	Ser	Ile	Thr	Met	Met	Tyr	Thr	Val	Val	Thr	Pro	Met	Leu	Asn	Pro	Phe
			275					280					285			
	Ile	Tyr	Ser	Leu	Arg	Asn	Arg	Asp	Ile	Lys	Glu	Ala	Leu	Val	Arg	Val
		290				295					300					
	Leu	Ile	Lys	Lys	Ile	Ser	Leu									
305						310										

<210> 1403

<211> 315

<212> PRT

<213> Mus musculus

<400> 1403

Met	Asp	Thr	Tyr	Asn	Leu	Thr	Val	Leu	Lys	Tyr	Phe	Ile	Leu	Thr	Gly
1				5					10					15	
Ile	Thr	Asp	Leu	Pro	Glu	Leu	Gln	Ala	Pro	Leu	Phe	Gly	Leu	Phe	Leu
			20					25					30		
Ile	Ile	Tyr	Met	Ile	Ser	Val	Val	Gly	Asn	Leu	Gly	Leu	Ile	Ile	Leu
		35					40					45			
Thr	Lys	Ile	Asp	Ser	Arg	Leu	Gln	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Arg
	50					55					60				
Gln	Leu	Ser	Leu	Thr	Asp	Leu	Gly	Tyr	Ser	Thr	Ala	Val	Gly	Pro	Lys
65					70				75					80	
Met	Leu	Ile	Asn	Phe	Val	Ala	Asp	Gln	Pro	Thr	Ile	Ser	Tyr	Asn	Trp
			85						90					95	
Cys	Ser	Val	Gln	Leu	Thr	Phe	Phe	Ser	Ile	Phe	Ile	Thr	Thr	Glu	Val
			100					105					110		
Phe	Ile	Leu	Ser	Ala	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	His
		115					120					125			
Pro	Leu	Leu	Tyr	Thr	Ile	Ile	Met	Ser	Gln	Arg	Leu	Cys	His	Val	Leu
		130				135					140				
Val	Ala	Ile	Pro	Tyr	Leu	Tyr	Ser	Val	Phe	Ile	Ser	Leu	Trp	Thr	Ile
145					150					155					160
Ile	Lys	Ile	Phe	Thr	Ser	Ser	Phe	Cys	Gly	His	Asn	Ile	Ile	Arg	Tyr
				165					170					175	
Phe	Tyr	Cys	Asp	Ser	Leu	Pro	Leu	Ile	Leu	Met	Leu	Cys	Ser	Asp	Thr
			180					185					190		
His	Glu	Ile	Lys	Leu	Ile	Ile	Leu	Ile	Phe	Ala	Thr	Phe	Asn	Leu	Ile
		195					200					205			
Ser	Ser	Leu	Leu	Val	Val	Ser	Ile	Ser	Tyr	Ile	Leu	Ile	Leu	Val	Ser
	210					215					220				

Ile	Leu	Arg	Met	Asn	Ser	Ser	Glu	Gly	Arg	His	Lys	Ala	Phe	Ser	Thr
225					230					235					240
Cys	Gly	Ser	His	Leu	Thr	Val	Ile	Val	Ile	Phe	Tyr	Gly	Thr	Leu	Phe
				245						250					255
Phe	Met	Tyr	Ala	Gln	Pro	Lys	Ser	Ile	His	Ser	Phe	Glu	Thr	Gly	Gln
			260							265				270	
Val	Ala	Ser	Leu	Phe	Tyr	Thr	Leu	Val	Ile	Pro	Met	Leu	Asn	Pro	Met
		275					280					285			
Ile	Tyr	Ser	Leu	Arg	Asn	Gln	Glu	Val	Lys	Gln	Ala	Leu	Asn	Arg	Lys
	290					295					300				
Trp	Lys	Met	Cys	Val	Asn	Ile	Leu	Phe	Lys	Leu					
305					310					315					

<210> 1404

<211> 313

<212> PRT

<213> Mus musculus

<400> 1404

Met	Glu	Lys	Tyr	Asn	Leu	Thr	Ile	Val	Thr	Glu	Phe	Ile	Leu	Val	Gly
1				5					10					15	
Ile	Thr	Asn	His	Glu	Phe	Gln	Val	Pro	Leu	Phe	Gly	Leu	Tyr	Leu	
			20				25					30			
Ile	Ile	Tyr	Leu	Thr	Ser	Leu	Val	Asp	Asn	Leu	Gly	Met	Ile	Ile	Leu
		35					40					45			
Thr	Ile	Val	Asp	Ser	Arg	Leu	Gln	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Arg
	50					55					60				
His	Leu	Ala	Thr	Thr	Asp	Leu	Gly	Tyr	Ser	Thr	Ala	Val	Gly	Pro	Lys
65					70					75					80
Met	Leu	Arg	Asn	Phe	Leu	Val	Asp	Gln	Asn	Ile	Ile	Ser	Phe	Tyr	Ala
				85					90					95	
Cys	Ala	Ile	Gln	Ser	Ser	Phe	Phe	Gly	Met	Phe	Ile	Val	Cys	Glu	Phe
			100					105					110		
Phe	Ile	Leu	Ser	Ala	Met	Ser	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Lys
		115					120					125			
Pro	Leu	Leu	Tyr	Thr	Val	Ile	Met	Ser	Gln	Lys	Ala	Cys	Trp	Ile	Leu
	130					135					140				
Val	Thr	Ile	Pro	Tyr	Leu	Tyr	Ser	Ile	Ile	Val	Ser	Leu	Leu	Val	Asn
145					150					155					160
Ile	Lys	Ile	Phe	Thr	Leu	Ser	Phe	Cys	Gly	Tyr	Asn	Val	Ile	Ser	His
				165					170					175	
Phe	Tyr	Cys	Asp	Ala	Leu	Pro	Leu	Leu	Thr	Leu	Ala	Cys	Ser	Asn	Thr
			180						185				190		
His	Glu	Ile	Glu	Ala	Ile	Ile	Leu	Ile	Phe	Ser	Ala	Phe	Asn	Leu	Leu
		195					200					205			
Ser	Ser	Leu	Leu	Ile	Val	Ile	Gly	Ser	Tyr	Leu	Leu	Ile	Leu	Met	Ala
	210					215					220				
Ile	Leu	Arg	Ile	Asn	Ser	Thr	Glu	Gly	Lys	Trp	Lys	Ala	Phe	Ser	Thr
225					230					235					240
Cys	Gly	Ser	His	Leu	Thr	Val	Val	Ile	Val	Phe	Tyr	Gly	Thr	Leu	Ile
				245						250					255
Cys	Met	Tyr	Leu	Gln	Pro	Thr	Ser	Thr	His	Ser	Ile	Asp	Thr	Gly	Lys
			260					265					270		
Gly	Thr	Ser	Ile	Phe	Tyr	Thr	Gln	Val	Ile	Pro	Met	Leu	Asn	Pro	Leu
		275					280					285			
Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Val	Thr	Asp	Val	Leu	Lys	Lys	Thr
	290					295					300				
Lys	Glu	Lys	Val	Tyr	Asn	Leu	Val	Ser							

305

310

<210> 1405

<211> 312

<212> PRT

<213> Mus musculus

<400> 1405

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Met Glu Lys Arg Asn Leu Thr Val Val Thr Glu Phe Ile Leu Met Gly
 1          5          10          15
Ile Thr Asp Arg Pro Glu Leu Gln Ala Pro Leu Phe Gly Leu Phe Leu
          20          25          30
Ile Ile Tyr Leu Ile Ser Leu Leu Gly Asn Met Gly Met Ile Ile Leu
          35          40          45
Thr Met Val Asp Ser Arg Leu Gln Thr Pro Met Tyr Phe Phe Leu Arg
 50          55          60
His Leu Ala Ile Thr Asp Leu Gly Tyr Ser Thr Ala Val Gly Pro Lys
65          70          75          80
Met Leu Glu Asn Phe Val Val Asn Gln Asn Thr Ile Ser Asn His Leu
          85          90          95
Cys Ala Ile Gln Leu Thr Phe Phe Leu Val Phe Ile Ile Cys Glu Leu
          100          105          110
Phe Ile Leu Ser Ala Met Ser Tyr Asp Arg Tyr Val Ala Ile Cys Lys
          115          120          125
Pro Leu Leu Tyr Thr Val Ile Met Ser His Arg Val Cys Trp Val Leu
          130          135          140
Val Ala Val Pro Tyr Phe Tyr Ser Val Ile Ile Ser Leu Leu Ile Thr
          145          150          155          160
Ile Lys Ile Phe Ala Leu Pro Phe Cys Asp Tyr Arg Ile Val Ser His
          165          170          175
Phe Cys Asp Ser Leu Pro Leu Ile Ser Leu Leu Cys Ser Asn Thr His
          180          185          190
Asp Ile Glu Ile Ile Ile Leu Ile Ser Ala Gly Phe Asn Leu Val Ser
          195          200          205
Ser Leu Val Val Leu Leu Phe Ser Tyr Leu Leu Ile Leu Ile Ala Ile
          210          215          220
Phe Arg Met Asn Ser Ala Glu Gly Arg Gln Lys Ala Leu Ser Thr Cys
          225          230          235          240
Gly Ser His Leu Thr Val Val Ile Val Phe Tyr Gly Thr Leu Ile Phe
          245          250          255
Met Tyr Val Gln Pro Lys Ser Ser His Ser Phe Asp Thr Asp Lys Val
          260          265          270
Ala Ser Ile Phe Tyr Thr Leu Ile Ile Pro Met Leu Asn Pro Leu Ile
          275          280          285
Tyr Ser Leu Arg Asn Lys Asp Val Lys Tyr Ala Leu Glu Arg Leu Trp
          290          295          300
Lys Met Leu Gly Asn Ile Phe Ser
305          310

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<210> 1406

<211> 313

<212> PRT

<213> Mus musculus

<400> 1406

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Met Glu Asn Gln Asn Leu Ser Val Leu Asn Glu Phe Ile Leu Val Gly
 1          5          10          15

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Ile	Thr	Asp	Arg	Pro	Glu	Leu	Gln	Ala	Pro	Phe	Phe	Val	Leu	Phe	Phe	
			20					25					30			
Leu	Ile	Tyr	Val	Ala	Ser	Val	Val	Gly	Asn	Leu	Gly	Met	Ile	Val	Leu	
		35					40					45				
Thr	Lys	Leu	Asp	Glu	Arg	Leu	Gln	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Arg	
	50					55					60					
His	Leu	Ala	Phe	Ile	Asp	Phe	Gly	Tyr	Ser	Thr	Ala	Val	Gly	Pro	Lys	
65					70					75					80	
Thr	Leu	Val	Ser	Phe	Val	Thr	Asn	Lys	Asn	Thr	Ile	Pro	Tyr	Asn	Trp	
			85						90					95		
Cys	Ala	Phe	Gln	Leu	Ser	Leu	Phe	Ile	Phe	Phe	Ile	Ile	Ser	Glu	Leu	
			100					105					110			
Phe	Val	Leu	Ser	Ala	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Asn	
		115						120				125				
Pro	Leu	Leu	Tyr	Thr	Val	Ile	Met	Ser	Gln	Lys	Val	Cys	Trp	Val	Leu	
	130					135					140					
Val	Thr	Ile	Pro	Tyr	Leu	Phe	Ser	Ala	Phe	Leu	Ser	Leu	Ile	Thr	Thr	
145					150					155					160	
Ile	Lys	Ile	Phe	Ile	Ser	Ser	Phe	Cys	Gly	Tyr	Asn	Val	Ile	Ser	His	
			165						170					175		
Phe	Tyr	Cys	Asp	Ser	Leu	Pro	Leu	Leu	Thr	Leu	Ile	Cys	Ser	Gly	Thr	
			180					185					190			
Arg	Asp	Val	Glu	Leu	Ile	Ile	Leu	Ile	Phe	Ser	Ala	Phe	Asn	Leu	Ile	
		195					200					205				
Ser	Ser	Leu	Ser	Val	Val	Leu	Val	Ser	Tyr	Thr	Phe	Ile	Leu	Val	Ala	
	210					215					220					
Ile	Leu	Arg	Met	Asn	Ser	Ala	Glu	Gly	Arg	His	Lys	Ala	Phe	Ser	Thr	
225				230						235					240	
Cys	Gly	Ser	His	Leu	Thr	Val	Val	Val	Ile	Leu	Tyr	Gly	Thr	Leu	Ser	
			245						250					255		
Phe	Met	Tyr	Ile	Gln	Pro	Lys	Ser	Ser	His	Ser	Phe	Glu	Asn	Asp	Lys	
			260					265					270			
Met	Ala	Ser	Val	Phe	Tyr	Thr	Leu	Val	Ile	Pro	Val	Leu	Asn	Pro	Ile	
		275					280					285				
Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Glu	Val	Lys	Gly	Ala	Leu	Gln	Lys	Leu	
	290					295					300					
Trp	Lys	Asn	Val	Cys	Lys	Val	Cys	Ile								
305					310											

<210> 1407

<211> 315

<212> PRT

<213> Mus musculus

<400> 1407

Met	Ala	Pro	Arg	Asn	Leu	Ser	His	Val	Thr	Glu	Phe	Ile	Leu	Val	Gly	
1				5					10					15		
Val	Ser	Asp	Leu	Pro	Glu	Leu	Gln	Val	Pro	Leu	Phe	Phe	Val	Phe	Leu	
			20					25					30			
Val	Ile	Tyr	Leu	Leu	Thr	Ala	Ala	Gly	Asn	Leu	Gly	Ile	Ile	Thr	Leu	
		35					40					45				
Thr	Ser	Val	Asp	Ser	Arg	Leu	Gln	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Arg	
	50					55					60					
His	Leu	Ala	Val	Ile	Asn	Phe	Gly	Asn	Ser	Thr	Val	Ile	Ala	Pro	Lys	
65					70					75					80	
Met	Leu	Val	Asn	Phe	Leu	Val	Ser	Lys	Lys	Thr	Thr	Leu	Tyr	Tyr	Glu	
			85						90					95		
Cys	Ala	Thr	Gln	Leu	Gly	Gly	Phe	Leu	Val	Phe	Ile	Val	Ala	Glu	Ile	

Glu	Glu	Thr	Glu	Leu	Leu	Thr	Ile	Leu	Phe	Ser	Ala	Phe	Asn	Leu	Ile
		195					200					205			
Ser	Ser	Leu	Leu	Val	Val	Leu	Leu	Ser	Tyr	Met	Leu	Ile	Leu	Leu	Thr
		210				215					220				
Ile	Phe	Arg	Met	Arg	Ser	Ala	Glu	Gly	Arg	Lys	Lys	Ala	Phe	Ser	Thr
225					230					235					240
Cys	Gly	Ser	His	Leu	Thr	Val	Val	Val	Val	Phe	Tyr	Gly	Ser	Leu	Leu
				245						250				255	
Phe	Met	Tyr	Val	Gln	Pro	Lys	Ser	Ala	His	Ser	Phe	Glu	Tyr	Asp	Lys
			260					265					270		
Ala	Ala	Ser	Val	Phe	Tyr	Thr	Leu	Val	Ile	Pro	Met	Leu	Asn	Pro	Leu
		275					280					285			
Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Glu	Val	Lys	Asn	Ala	Phe	His	Arg	Val
	290					295					300				
Phe	Lys	Asn	Leu												
305															

<210> 1409

<211> 310

<212> PRT

<213> Mus musculus

<400> 1409

Met	Asp	Lys	Glu	Asn	His	Ser	Val	Val	Thr	Glu	Phe	Val	Phe	Met	Gly
1				5					10					15	
Ile	Thr	Gln	Asp	Pro	Gln	Leu	Gln	Ile	Ile	Phe	Phe	Val	Val	Phe	Leu
			20					25					30		
Leu	Val	Tyr	Leu	Val	Asn	Val	Ile	Gly	Asn	Val	Gly	Met	Ile	Ile	Leu
		35					40					45			
Ile	Ile	Thr	Asp	Ser	Gln	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Cys
	50					55					60				
Asn	Leu	Ser	Phe	Val	Asp	Leu	Gly	Tyr	Ser	Ser	Ala	Ile	Ala	Pro	Arg
65					70					75					80
Met	Leu	Ala	Asp	Phe	Leu	Thr	Lys	His	Lys	Val	Ile	Ser	Phe	Ser	Ser
				85					90					95	
Cys	Ala	Thr	Gln	Phe	Ala	Phe	Phe	Val	Gly	Phe	Val	Asp	Ala	Glu	Cys
			100					105					110		
Tyr	Val	Leu	Ala	Ala	Met	Ala	Tyr	Asp	Arg	Phe	Val	Ala	Ile	Cys	Arg
		115					120					125			
Pro	Leu	His	Tyr	Ser	Thr	Leu	Met	Ser	Lys	Lys	Val	Cys	Leu	Val	Leu
	130					135						140			
Met	Leu	Gly	Ser	Tyr	Phe	Ala	Gly	Leu	Val	Ser	Leu	Val	Ala	His	Thr
145					150					155					160
Ser	Leu	Thr	Phe	Ser	Leu	Ser	Tyr	Cys	Gly	Ser	Asn	Ile	Ile	Asn	His
				165					170					175	
Phe	Phe	Cys	Glu	Ile	Pro	Pro	Leu	Leu	Ala	Leu	Ser	Cys	Ser	Asp	Thr
			180					185					190		
Tyr	Ile	Ser	Glu	Ile	Leu	Leu	Phe	Ser	Leu	Cys	Gly	Phe	Ile	Glu	Phe
		195					200					205			
Ser	Thr	Ile	Leu	Ile	Ile	Phe	Ile	Ser	Tyr	Ala	Phe	Ile	Leu	Ile	Ala
	210					215					220				
Ile	Ile	Arg	Ile	Arg	Ser	Ala	Glu	Gly	Arg	Leu	Lys	Ala	Phe	Ser	Thr
225					230					235					240
Cys	Gly	Ser	His	Leu	Thr	Gly	Val	Thr	Leu	Phe	Tyr	Gly	Thr	Val	Met
				245					250					255	
Phe	Met	Tyr	Leu	Arg	Pro	Thr	Ser	Ser	Tyr	Ser	Leu	Asp	Gln	Asp	Lys
			260					265					270		
Trp	Ala	Ser	Val	Phe	Tyr	Thr	Ile	Ile	Ile	Pro	Met	Leu	Asn	Pro	Leu

<400> 1411

Met	Ala	Glu	Val	Asn	Ile	Ser	Tyr	Val	Ser	Glu	Phe	Ile	Leu	Lys	Gly
1				5					10					15	
Ile	Thr	Asp	Arg	Pro	Glu	Leu	Gln	Ala	Pro	Cys	Phe	Val	Met	Phe	Leu
			20					25					30		
Thr	Ile	Tyr	Leu	Val	Thr	Val	Leu	Gly	Asn	Leu	Gly	Leu	Ile	Val	Ile
		35					40					45			
Ile	Arg	Val	Asp	Ser	Arg	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Ser
	50					55					60				
His	Leu	Ala	Phe	Val	Asp	Leu	Cys	Tyr	Ser	Ser	Ala	Ile	Thr	Pro	Lys
65					70					75					80
Met	Met	Val	Asn	Phe	Val	Val	Glu	Arg	Asn	Thr	Ile	Pro	Phe	His	Ala
			85						90					95	
Cys	Ala	Thr	Gln	Leu	Gly	Cys	Phe	Leu	Thr	Phe	Met	Ile	Thr	Glu	Cys
			100					105					110		
Phe	Leu	Leu	Ala	Ser	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Ser
		115					120					125			
Pro	Leu	His	Tyr	Ser	Thr	Leu	Met	Ser	Lys	Arg	Val	Cys	Ile	Gln	Leu
	130					135						140			
Val	Ala	Val	Pro	Tyr	Val	Tyr	Ser	Phe	Leu	Val	Ala	Leu	Phe	His	Thr
145					150					155					160
Ile	Ile	Thr	Phe	Arg	Leu	Thr	Tyr	Cys	Gly	Pro	Asn	Val	Ile	Asn	His
				165					170					175	
Phe	Tyr	Cys	Asp	Asp	Leu	Pro	Leu	Leu	Ala	Leu	Ser	Cys	Ser	Asp	Thr
			180					185					190		
His	Met	Lys	Glu	Ile	Leu	Ile	Phe	Ala	Phe	Ala	Gly	Phe	Asp	Met	Ile
		195					200					205			
Cys	Ser	Ser	Ser	Ile	Val	Leu	Thr	Ser	Tyr	Leu	Phe	Ile	Ile	Ala	Ala
	210					215					220				
Ile	Leu	Arg	Ile	Arg	Ser	Thr	Gln	Gly	Arg	Arg	Lys	Ala	Ile	Ser	Thr
225					230					235					240
Cys	Gly	Ser	His	Met	Val	Ala	Val	Thr	Ile	Phe	Tyr	Gly	Thr	Leu	Ile
				245					250					255	
Phe	Met	Tyr	Leu	Gln	Pro	Lys	Ser	Asn	His	Ser	Leu	Asp	Thr	Asp	Lys
			260					265					270		
Met	Ala	Ser	Val	Phe	Tyr	Thr	Val	Val	Ile	Pro	Met	Leu	Asn	Pro	Leu
		275					280					285			
Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Glu	Val	Lys	Asp	Ala	Ser	Lys	Lys	Ala
	290				295						300				
Leu	Asp	Lys	Gly	Tyr	Glu	Thr	Leu	Lys	Ile	Leu	Arg	Leu	Ser	Lys	
305					310					315					

<210> 1412

<211> 319

<212> PRT

<213> Mus musculus

<400> 1412

Met	Gly	Arg	His	Asn	Leu	Thr	Val	Val	Thr	Glu	Phe	Val	Leu	Met	Gly
1				5					10					15	
Ile	Thr	Asp	Arg	Pro	Glu	Leu	Gln	Ala	Pro	Leu	Phe	Gly	Leu	Phe	Leu
			20					25					30		
Ile	Ile	Tyr	Leu	Ile	Ser	Leu	Ile	Gly	Asn	Leu	Gly	Met	Ile	Ile	Leu
		35					40					45			
Thr	Thr	Val	Asp	Ser	Lys	Leu	Gln	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Lys
	50					55					60				
His	Leu	Ala	Ile	Thr	Asp	Leu	Gly	Tyr	Ser	Thr	Ser	Val	Gly	Pro	Lys

65					70					75					80
Met	Leu	Val	Asn	Phe	Val	Val	Asp	Gln	Asn	Thr	Ile	Ser	Phe	Lys	Leu
				85					90					95	
Cys	Ala	Thr	Gln	Leu	Ser	Phe	Phe	Leu	Val	Phe	Ile	Val	Ser	Glu	Leu
			100					105						110	
Phe	Ile	Leu	Ser	Ala	Met	Ser	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Lys
		115					120					125			
Pro	Leu	Leu	Tyr	Thr	Val	Ile	Met	Ser	Gln	Lys	Leu	Cys	Trp	Val	Leu
	130					135					140				
Val	Ala	Ile	Pro	Tyr	Leu	Tyr	Cys	Thr	Phe	Val	Ser	Leu	Leu	Val	Thr
145					150					155					160
Val	Lys	Ile	Phe	Thr	Leu	Ser	Phe	Cys	Gly	Tyr	Asn	Val	Ile	Ser	His
				165					170					175	
Phe	Tyr	Cys	Asp	Ser	Leu	Pro	Leu	Leu	Pro	Leu	Leu	Cys	Ser	Asp	Thr
			180				185						190		
His	Asp	Ile	Glu	Leu	Ile	Ile	Leu	Ile	Leu	Ala	Ala	Phe	Asp	Leu	Ile
	195						200					205			
Ser	Ser	Leu	Leu	Val	Val	Leu	Val	Ser	Tyr	Leu	Leu	Ile	Leu	Ile	Ala
	210					215					220				
Ile	Val	Arg	Met	Asn	Ser	Ala	Glu	Gly	Arg	Arg	Lys	Ala	Phe	Ser	Thr
225				230					235						240
Cys	Gly	Ser	His	Leu	Thr	Val	Val	Ile	Val	Phe	Tyr	Gly	Thr	Leu	Ile
				245					250					255	
Phe	Met	Tyr	Val	Gln	Pro	Asn	Ser	Ser	His	Ser	Phe	Glu	Thr	Asp	Lys
			260				265					270			
Val	Ala	Ser	Ile	Phe	Tyr	Thr	Leu	Val	Ile	Pro	Met	Leu	Asn	Pro	Leu
	275						280				285				
Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Val	Lys	Tyr	Ala	Leu	Lys	Arg	Thr
	290				295						300				
Leu	Asn	Asn	Leu	Cys	Lys	Leu	Phe	Ser	Leu	Ala	Phe	His	Lys	Ile	
305					310					315					

<210> 1413
 <211> 314
 <212> PRT
 <213> Mus musculus

<400> 1413

Met	Ala	Gln	Ile	Asn	Cys	Thr	Gln	Val	Thr	Glu	Phe	Ile	Leu	Val	Gly
1				5					10					15	
Leu	Thr	Asp	Arg	Glu	Glu	Leu	Lys	Met	Pro	Leu	Phe	Val	Val	Phe	Leu
			20					25					30		
Ser	Ile	Tyr	Leu	Phe	Thr	Thr	Leu	Gly	Asn	Leu	Gly	Leu	Ile	Leu	Val
		35					40					45			
Ile	Arg	Thr	Asp	Ala	Arg	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Ser
	50					55				60					
Asn	Leu	Ala	Phe	Val	Asp	Phe	Cys	Tyr	Ser	Ser	Val	Ile	Thr	Pro	Lys
65				70					75					80	
Met	Leu	Gly	Asn	Phe	Leu	Tyr	Lys	Gln	Asn	Met	Ile	Ser	Phe	Asn	Ala
				85					90					95	
Cys	Ala	Ala	Gln	Leu	Gly	Cys	Phe	Leu	Ala	Phe	Met	Thr	Ala	Glu	Cys
			100					105					110		
Leu	Leu	Leu	Ala	Ser	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Asn
		115					120					125			
Pro	Leu	Leu	Tyr	Met	Val	Leu	Met	Ser	Pro	Gly	Ile	Cys	Phe	Gln	Leu
	130					135					140				
Val	Ala	Ala	Pro	Tyr	Ser	Tyr	Ser	Phe	Leu	Val	Ala	Leu	Phe	His	Ala
145					150					155					160

Ile	Leu	Thr	Phe	Arg	Leu	Cys	Tyr	Cys	His	Ser	Asn	Ala	Ile	Asn	His
				165					170					175	
Phe	Tyr	Cys	Asp	Asp	Met	Pro	Leu	Leu	Arg	Leu	Thr	Cys	Ser	Asp	Thr
			180					185					190		
His	Ser	Lys	Gln	Leu	Trp	Ile	Phe	Val	Cys	Ala	Gly	Ile	Met	Phe	Ile
		195					200					205			
Ser	Ser	Leu	Leu	Ile	Val	Phe	Ile	Ser	Tyr	Thr	Phe	Ile	Ile	Ser	Ala
	210					215					220				
Ile	Leu	Arg	Met	Arg	Ser	Ala	Glu	Gly	Arg	Arg	Lys	Ala	Phe	Ser	Thr
225					230					235					240
Cys	Gly	Ser	His	Met	Leu	Ala	Val	Thr	Ile	Phe	Tyr	Gly	Thr	Leu	Ile
				245					250					255	
Phe	Met	Tyr	Leu	Gln	Pro	Ser	Ser	Asn	His	Ser	Leu	Asp	Thr	Asp	Lys
			260					265					270		
Met	Ala	Ser	Val	Phe	Tyr	Thr	Val	Ile	Ile	Pro	Met	Leu	Asn	Pro	Leu
		275					280					285			
Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Glu	Val	Lys	Asp	Ala	Leu	Lys	Lys	Leu
	290					295					300				
Ile	Ala	Ser	Lys	Asn	Gln	Met	Leu	Ser	Ser						
305					310										

<210> 1414
 <211> 312
 <212> PRT
 <213> Mus musculus

<400> 1414

Met	Ala	Thr	Glu	Asn	Cys	Thr	Val	Val	Thr	Glu	Phe	Ile	Leu	Leu	Gly
1				5					10					15	
Leu	Thr	Asp	Arg	Ala	Glu	Leu	Lys	Met	Met	Leu	Phe	Val	Leu	Phe	Leu
			20					25					30		
Val	Ile	Tyr	Ala	Val	Thr	Leu	Leu	Gly	Asn	Leu	Gly	Met	Ile	Leu	Leu
		35				40						45			
Ile	Arg	Ile	Thr	Pro	Lys	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Ser
	50					55					60				
Cys	Leu	Ser	Phe	Val	Asp	Ala	Cys	Tyr	Ser	Ser	Val	Ile	Ala	Pro	Lys
65					70					75					80
Met	Leu	Ile	Ser	Phe	Leu	Val	Val	Thr	Glu	Thr	Ile	Ser	Phe	Ser	Ala
				85					90					95	
Cys	Ile	Met	Gln	His	Leu	Phe	Phe	Gly	Val	Leu	Val	Thr	Thr	Glu	Gly
			100					105					110		
Phe	Leu	Leu	Ser	Val	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Val	Val	Asn
		115					120					125			
Pro	Leu	Leu	Tyr	Thr	Val	Ser	Met	Ser	Lys	Gln	Lys	Cys	Ile	Met	Met
	130					135					140				
Val	Thr	Gly	Ser	Val	Ile	Gly	Gly	Thr	Ile	Asn	Ser	Leu	Thr	His	Thr
145					150					155					160
Ile	Ser	Leu	Ser	Lys	Leu	Ser	Phe	Cys	Gly	Pro	Asn	Ile	Val	Gly	His
				165					170					175	
Phe	Phe	Cys	Asp	Ile	Pro	Ser	Leu	Leu	Ile	Leu	Ser	Cys	Ser	Asp	Thr
			180					185					190		
Ser	Met	Asn	Glu	Phe	Leu	Leu	Leu	Ile	Phe	Ser	Gly	Val	Ile	Ala	Ile
		195					200					205			
Gly	Thr	Leu	Leu	Ile	Val	Phe	Ile	Ser	Tyr	Leu	Phe	Ile	Ala	Leu	Ala
	210					215					220				
Ile	Leu	Arg	Ile	Arg	Ser	Ala	Ser	Gly	Arg	Gln	Lys	Ala	Phe	Ser	Thr
225					230					235					240
Cys	Ala	Ser	His	Leu	Thr	Ala	Val	Thr	Ile	Phe	Tyr	Gly	Thr	Leu	Ser

Phe	Asn	Tyr	Ile	Gln	Pro	Ser	Ser	Gln	Tyr	Ser	Val	Glu	Gln	Glu	Lys
			260					265					270		
Val	Val	Ser	Val	Phe	Tyr	Thr	Leu	Val	Ile	Pro	Met	Leu	Asn	Pro	Met
		275					280					285			
Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Glu	Val	Lys	Glu	Ala	Ala	Lys	Arg	Ala
	290					295					300				
Ile	Glu	Met	Lys	Ser	Phe	Ser	Cys								
305					310										

<210> 1415

<211> 301

<212> PRT

<213> Mus musculus

<400> 1415

Met	Ile	Ile	Asn	Asn	Gln	Thr	Ala	Ile	Pro	Gln	Phe	Ile	Leu	Leu	Gly
1			5					10					15		
Leu	Pro	Ile	Leu	Pro	Glu	Gln	Gln	Gln	Met	Phe	Tyr	Ala	Leu	Phe	Leu
		20						25				30			
Ala	Met	Tyr	Leu	Thr	Thr	Val	Leu	Gly	Asn	Leu	Ile	Ile	Ile	Ile	Leu
		35				40					45				
Ile	Arg	Leu	Asp	Ser	His	Leu	His	Thr	Pro	Met	Tyr	Leu	Phe	Leu	Ser
	50					55					60				
Asn	Leu	Ser	Phe	Ser	Asp	Leu	Cys	Phe	Ser	Ser	Val	Thr	Met	Pro	Lys
65					70					75					80
Leu	Leu	Gln	Asn	Ile	Gln	Ser	Gln	Asp	Pro	Ser	Ile	Ser	Tyr	Ala	Gly
			85					90						95	
Cys	Leu	Thr	Gln	Met	Tyr	Phe	Phe	Met	Val	Phe	Ala	Asn	Thr	Glu	Asn
			100					105					110		
Val	Leu	Leu	Val	Val	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Phe
		115					120					125			
Pro	Leu	His	Tyr	Thr	Ser	Ile	Met	Ser	Pro	Lys	Leu	Cys	Val	Ser	Leu
		130				135						140			
Val	Val	Leu	Thr	Trp	Val	Phe	Thr	Val	Leu	Tyr	Ser	Met	Leu	His	Thr
145					150					155					160
Leu	Leu	Leu	Ala	Arg	Leu	Ser	Phe	Cys	Glu	Asp	Asn	Val	Ile	Pro	His
			165						170					175	
Phe	Phe	Cys	Asp	Ile	Ser	Val	Leu	Leu	Lys	Leu	Ala	Cys	Ser	Asp	Thr
			180					185					190		
Tyr	Ile	Asn	Glu	Leu	Met	Ile	Phe	Ile	Leu	Gly	Gly	Leu	Asp	Ile	Val
		195					200					205			
Ile	Pro	Phe	Ile	Leu	Ile	Val	Val	Ser	Tyr	Val	Gln	Ile	Val	Cys	Ser
		210				215					220				
Ile	Leu	Lys	Phe	Ser	Ser	Thr	Arg	Gly	Ile	Ala	Lys	Val	Phe	Ser	Thr
225					230					235					240
Cys	Gly	Ser	His	Leu	Ser	Val	Val	Ser	Leu	Phe	Tyr	Gly	Thr	Ile	Ile
			245						250					255	
Gly	Val	Tyr	Ile	Cys	Pro	Ser	Ala	Asn	Asn	Ser	Thr	Val	Lys	Glu	Ile
			260					265					270		
Val	Met	Ala	Leu	Met	Tyr	Thr	Val	Val	Thr	Pro	Met	Leu	Asn	Pro	Phe
		275					280					285			
Ile	Tyr	Ser	Leu	Arg	Asn	Arg	Asp	Met	Lys	Glu	Ala	Leu			
	290					295					300				

<210> 1416

<211> 312

<212> PRT

<213> Mus musculus

<400> 1416

Met	Thr	Gly	Asn	Asn	Gln	Thr	Leu	Ile	Ser	Lys	Phe	Leu	Leu	Leu	Gly
1				5					10					15	
Leu	Pro	Ile	Leu	Ser	Glu	Tyr	His	Phe	Leu	Phe	Tyr	Ala	Leu	Phe	Leu
			20					25					30		
Ala	Met	Tyr	Leu	Thr	Thr	Ile	Leu	Gly	Asn	Leu	Leu	Ile	Ile	Ala	Leu
		35					40					45			
Val	Arg	Leu	Asp	Ser	His	Leu	His	Thr	Pro	Met	Tyr	Leu	Phe	Leu	Ser
	50					55					60				
Asn	Leu	Ser	Phe	Ser	Asp	Leu	Cys	Phe	Ser	Ser	Val	Thr	Ile	Pro	Lys
65					70					75					80
Leu	Leu	Gln	Asn	Met	Gln	Ser	Gln	Val	Pro	Ser	Ile	Ser	Tyr	Val	Gly
			85						90					95	
Cys	Leu	Thr	Gln	Leu	Tyr	Phe	Phe	Met	Val	Phe	Gly	Asp	Met	Glu	Ser
			100					105					110		
Phe	Leu	Leu	Val	Val	Met	Ala	Tyr	Asp	His	Tyr	Val	Ala	Ile	Cys	Phe
		115					120					125			
Pro	Leu	His	Tyr	Thr	Ser	Ile	Met	Ser	Thr	Lys	Phe	Cys	Thr	Ser	Leu
	130					135					140				
Val	Leu	Leu	Leu	Trp	Met	Leu	Thr	Thr	Ser	Asn	Ala	Met	Met	His	Thr
145					150					155					160
Leu	Leu	Met	Ala	Arg	Leu	Ser	Phe	Cys	Glu	Lys	Asn	Val	Ile	Leu	His
				165					170					175	
Phe	Phe	Cys	Asp	Ile	Ser	Ala	Leu	Leu	Lys	Leu	Ser	Cys	Ser	Asp	Thr
			180					185					190		
Phe	Val	Asn	Glu	Leu	Met	Ile	Phe	Ile	Met	Gly	Gly	Ile	Ile	Ile	Ile
		195					200					205			
Ile	Pro	Phe	Leu	Leu	Ile	Val	Met	Ser	Tyr	Val	Arg	Ile	Phe	Phe	Ser
	210					215					220				
Ile	Leu	Lys	Val	Pro	Ser	Thr	Gln	Gly	Ile	His	Lys	Val	Phe	Ser	Thr
225					230					235					240
Cys	Gly	Ser	His	Leu	Ser	Val	Val	Ser	Leu	Phe	Tyr	Gly	Thr	Ile	Ile
				245					250					255	
Gly	Leu	Tyr	Leu	Cys	Pro	Ser	Ser	Asn	Asn	Ser	Thr	Val	Lys	Glu	Ser
			260					265					270		
Ala	Met	Ala	Met	Met	Tyr	Thr	Val	Val	Thr	Pro	Met	Leu	Asn	Pro	Phe
		275					280					285			
Ile	Tyr	Ser	Leu	Arg	Asn	Arg	Asp	Met	Lys	Arg	Ala	Leu	Ile	Arg	Val
	290					295					300				
Ile	Cys	Ser	Lys	Lys	Ile	Ser	Leu								
305					310										

<210> 1417

<211> 312

<212> PRT

<213> Mus musculus

<400> 1417

Met	Lys	Met	Asn	Asn	Lys	Thr	Val	Ile	Thr	Gln	Phe	Leu	Leu	Leu	Gly
1				5					10					15	
Leu	Pro	Ile	Ser	Leu	Glu	Tyr	Lys	His	Leu	Phe	Tyr	Ala	Leu	Phe	Leu
			20					25					30		
Ala	Met	Tyr	Leu	Thr	Thr	Val	Leu	Gly	Asn	Leu	Leu	Ile	Ile	Val	Leu
		35					40					45			
Ile	Lys	Leu	Asp	Ser	His	Leu	His	Thr	Pro	Met	Tyr	Leu	Phe	Leu	Ser

50	55	60
Asn Leu Ser Phe Ser Asp	Leu Cys Phe Ser Ser	Val Thr Met Pro Lys
65	70	75
Met Leu His Asn Met Gln	Ser Gln Asp Pro Ser	Ile Pro Tyr Gly Gly
	85	90
Cys Leu Ala Gln Ile Tyr Phe	Leu Met Ala Phe Gly	Asp Met Glu Ser
	100	105
Phe Leu Leu Val Val Met Ala	Tyr Asp Arg Tyr Val	Ala Ile Cys Phe
	115	120
Pro Leu His Tyr Thr Ser Ile	Met Ser Pro Lys Leu	Cys Thr Cys Leu
	130	135
Met Leu Leu Leu Trp Ile Leu	Thr Thr Ser His Ala	Met Met His Thr
145	150	155
Leu Leu Ala Ala Arg Leu Ser	Phe Cys Glu Asn Asn	Val Ile Leu Asn
	165	170
Phe Phe Cys Asp Leu Phe Ala	Val Leu Lys Leu Ser	Cys Ser Asp Thr
	180	185
Tyr Ile Asn Asp Leu Met Ile	Leu Ile Phe Gly Gly	Leu Ile Phe Ile
	195	200
Ile Pro Phe Leu Leu Ile Val	Ile Ser Tyr Ala Arg	Ile Ile Ser Ser
	210	215
Ile Leu Lys Val Pro Ser Thr	Gln Gly Ile Tyr Lys	Val Phe Ser Thr
225	230	235
Cys Gly Ser His Leu Ser Val	Val Ser Leu Phe Tyr	Gly Thr Ile Ile
	245	250
Gly Leu Tyr Leu Cys Pro Ser	Gly Asn Asn Ser Thr	Val Lys Glu Ile
	260	265
Ala Met Ala Met Met Tyr Thr	Val Val Thr Pro Met	Leu Asn Pro Phe
	275	280
Ile Tyr Ser Leu Arg Asn Arg	Asp Met Lys Lys Ala	Leu Ile Arg Val
	290	295
Ile Cys Ser Lys Lys Ile Ser	Leu	
305	310	

<210> 1418
 <211> 310
 <212> PRT
 <213> Mus musculus

<400> 1418
Met Asn Asn Lys Thr Val Ile Thr Gln Phe Leu Leu Leu Gly Leu Pro
1 5 10 15
Ile Pro Pro Glu Tyr Gln His Leu Phe Tyr Ala Leu Phe Leu Ala Met
20 25 30
Tyr Leu Thr Thr Ile Leu Gly Asn Leu Leu Ile Ile Val Leu Ile Gln
35 40 45
Leu Asp Ser His Leu His Thr Pro Met Tyr Leu Phe Leu Ser Asn Leu
50 55 60
Ser Phe Ser Asp Leu Cys Phe Ser Ser Val Thr Met Pro Lys Leu Leu
65 70 75 80
Gln Asn Met Gln Ser Gln Asp Pro Ser Ile Pro Tyr Gly Gly Cys Leu
85 90 95
Ala Gln Ile Phe Phe Phe Met Leu Phe Gly Asp Met Glu Ser Phe Leu
100 105 110
Leu Val Ala Met Ala Tyr Asp Arg Tyr Val Ala Ile Cys Phe Pro Leu
115 120 125
His Tyr Thr Ser Ile Met Ser Pro Lys Val Cys Thr Phe Leu Val Leu
130 135 140

Leu	Leu	Trp	Ile	Leu	Thr	Thr	Ser	His	Ala	Thr	Met	Gln	Ile	Leu	Leu
145					150					155					160
Thr	Val	Arg	Leu	Ser	Phe	Cys	Glu	Asn	Asn	Val	Leu	Leu	Asn	Phe	Phe
				165					170					175	
Cys	Asp	Ile	Phe	Val	Leu	Leu	Lys	Leu	Ala	Cys	Ser	Asp	Thr	Tyr	Val
			180					185					190		
Asn	Asp	Leu	Met	Ile	Leu	Ile	Met	Gly	Gly	Leu	Ile	Ile	Val	Ile	Pro
		195					200					205			
Phe	Leu	Leu	Ile	Val	Ile	Ser	Tyr	Ala	Arg	Ile	Ile	Ser	Ser	Thr	Leu
	210					215				220					
Lys	Val	Pro	Ser	Thr	Gln	Gly	Ile	His	Lys	Val	Phe	Ser	Thr	Cys	Gly
225					230					235					240
Ser	His	Leu	Ser	Val	Val	Ser	Leu	Phe	Tyr	Gly	Thr	Ile	Ile	Gly	Leu
				245					250					255	
Tyr	Leu	Cys	Pro	Ser	Gly	Asn	Asn	Phe	Ser	Leu	Lys	Gly	Ser	Ala	Met
			260					265					270		
Ala	Met	Met	Tyr	Thr	Val	Val	Thr	Pro	Met	Leu	Asn	Pro	Phe	Ile	Tyr
		275					280					285			
Ser	Leu	Arg	Asn	Arg	Asp	Met	Lys	Arg	Ala	Leu	Ile	Arg	Ile	Ile	Gly
	290					295					300				
Ser	Lys	Lys	Ile	Ser	Leu										
305					310										

<210> 1419

<211> 312

<212> PRT

<213> Mus musculus

<400> 1419

Met	Ala	Gly	Asn	Asn	Gln	Thr	Phe	Ile	Leu	Glu	Phe	Leu	Phe	Leu	Gly
1				5					10					15	
Leu	Pro	Ile	Pro	Ser	Glu	Tyr	Gln	Leu	Leu	Phe	Asn	Ala	Leu	Phe	Leu
			20				25					30			
Ala	Met	Tyr	Leu	Thr	Thr	Leu	Leu	Gly	Asn	Leu	Leu	Ile	Ile	Leu	Leu
		35				40						45			
Val	Gln	Leu	Asp	Ser	His	Leu	His	Met	Pro	Met	Tyr	Leu	Phe	Leu	Ser
	50					55					60				
Asn	Leu	Ser	Phe	Ser	Asp	Leu	Cys	Phe	Ser	Ser	Val	Thr	Ile	Pro	Lys
65					70					75					80
Leu	Leu	Gln	Asn	Met	His	Ser	Gln	Val	Pro	Thr	Ile	Ser	Tyr	Ala	Asp
			85					90						95	
Cys	Leu	Thr	Gln	Leu	Tyr	Phe	Phe	Leu	Val	Phe	Gly	Asp	Met	Glu	Ser
			100					105					110		
Phe	Leu	Leu	Val	Ala	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Phe
		115					120					125			
Pro	Leu	His	Tyr	Thr	Ser	Ile	Met	Ser	Thr	Lys	Leu	Cys	Val	Ser	Leu
	130					135						140			
Val	Leu	Leu	Leu	Trp	Met	Leu	Thr	Ile	Phe	His	Ala	Leu	Leu	His	Thr
145					150					155					160
Leu	Leu	Thr	Ala	Arg	Leu	Ser	Phe	Cys	Glu	Lys	Asn	Val	Ile	Leu	His
				165					170					175	
Phe	Phe	Cys	Asp	Leu	Pro	Ala	Leu	Leu	Lys	Leu	Ser	Cys	Ser	Asp	Thr
			180					185					190		
Phe	Val	Asn	Glu	Leu	Met	Ile	Phe	Ile	Leu	Gly	Gly	Ile	Ile	Ser	Ile
		195					200					205			
Ile	Pro	Phe	Leu	Leu	Ile	Gly	Met	Ser	Tyr	Val	Arg	Ile	Phe	Phe	Ser
	210					215					220				
Ile	Leu	Lys	Val	Pro	Ser	Thr	Gln	Gly	Ile	His	Lys	Val	Phe	Ser	Thr

<210> 1421
 <211> 311
 <212> PRT
 <213> Mus musculus

<400> 1421

Met	Asp	Leu	Gly	Thr	Leu	Gly	Asn	Asp	Ser	Cys	Val	Ser	Thr	Phe	Val
1				5					10					15	
Leu	Leu	Gly	Leu	Thr	Glu	Thr	Pro	Val	Leu	Arg	Pro	Ile	Leu	Phe	Val
		20						25				30			
Ile	Phe	Leu	Leu	Ala	Tyr	Val	Ala	Thr	Leu	Gly	Gly	Asn	Phe	Ser	Ile
		35					40					45			
Leu	Ala	Ala	Ile	Ile	Ile	Glu	Pro	Lys	Leu	His	Thr	Pro	Met	Tyr	Phe
		50				55					60				
Phe	Leu	Gly	Asn	Leu	Ser	Met	Leu	Asp	Val	Gly	Cys	Ile	Ser	Val	Thr
65				70					75					80	
Val	Pro	Ala	Met	Leu	Lys	His	Phe	Leu	Ser	Asn	Asp	Arg	His	Ile	Pro
			85						90				95		
Tyr	Gly	Ala	Cys	Leu	Ser	Gln	Leu	Phe	Phe	Phe	His	Leu	Leu	Ala	Gly
		100					105					110			
Ala	Asp	Cys	Phe	Leu	Leu	Thr	Val	Met	Ala	Tyr	Asp	Arg	Tyr	Leu	Ala
		115					120					125			
Ile	Cys	His	Pro	Leu	Thr	Tyr	Asn	Thr	His	Met	Ser	Trp	Arg	Ile	Gln
	130					135					140				
Lys	Ala	Ser	Val	Cys	Leu	Ser	Cys	Val	Phe	Ser	Phe	Ser	Asn	Ala	Leu
145				150					155					160	
Thr	Gln	Thr	Val	Ala	Leu	Ser	Thr	Leu	Lys	Phe	Cys	Gly	Pro	Asn	Thr
			165						170					175	
Ile	Asn	His	Phe	Tyr	Cys	Asp	Leu	Pro	Gln	Leu	Phe	Gln	Leu	Ser	Cys
			180				185						190		
Ser	Ser	Ile	Gln	Leu	Asn	Glu	Gln	Leu	Leu	Phe	Val	Ala	Ala	Ala	Phe
		195				200						205			
Met	Gly	Val	Val	Pro	Leu	Val	Leu	Ile	Thr	Val	Ser	Tyr	Gly	His	Val
	210					215					220				
Ala	Ala	Ala	Val	Leu	Arg	Ile	Arg	Ser	Ala	Glu	Gly	Arg	Lys	Lys	Ala
225					230					235				240	
Phe	Ser	Thr	Cys	Ser	Ser	His	Leu	Thr	Val	Val	Gly	Ile	Phe	Tyr	Gly
			245						250				255		
Thr	Gly	Val	Phe	Ser	Tyr	Met	Arg	Leu	Gly	Ser	Val	Glu	Ser	Ser	Asp
		260						265				270			
Lys	Asp	Lys	Gly	Ile	Gly	Ile	Leu	Asn	Thr	Val	Ile	Ser	Pro	Met	Leu
	275						280					285			
Asn	Pro	Leu	Ile	Tyr	Ser	Leu	Arg	Asn	Pro	Asp	Val	Gln	Gly	Ala	Leu
	290					295					300				
Trp	Lys	Val	Leu	Thr	Gly	Arg									
305					310										

<210> 1422
 <211> 315
 <212> PRT
 <213> Mus musculus

<400> 1422

Met	Glu	Pro	Gly	Ala	Trp	Gly	Asn	Arg	Thr	Ala	Val	Thr	Asp	Phe	Ile
1				5					10					15	
Leu	Leu	Gly	Leu	Thr	Gly	Asn	Val	Arg	Leu	Gln	Pro	Ile	Leu	Phe	Val

Phe	Leu	Leu	Ala	Ala	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Asn
	115						120				125				
Pro	Leu	Gln	Tyr	His	Thr	Met	Met	Ser	Lys	Lys	Leu	Cys	Leu	Gln	Met
	130					135					140				
Thr	Thr	Gly	Ala	Tyr	Ile	Ala	Gly	Asn	Leu	His	Ser	Met	Ile	His	Ile
145					150					155					160
Gly	Phe	Leu	Phe	Arg	Leu	Thr	Phe	Cys	Arg	Ser	His	Val	Ile	Lys	His
				165					170					175	
Phe	Phe	Cys	Asp	Val	Leu	Pro	Leu	Tyr	Arg	Leu	Ser	Cys	Val	Asp	Pro
			180						185				190		
Tyr	Ile	Asn	Glu	Leu	Met	Ile	Leu	Ile	Phe	Ser	Gly	Ser	Val	Gln	Thr
	195						200					205			
Phe	Ser	Ile	Ile	Ile	Val	Leu	Ile	Ser	Tyr	Phe	Cys	Ile	Ile	Phe	Thr
	210					215					220				
Ile	Phe	Thr	Met	Lys	Ser	Arg	Glu	Gly	Arg	Ser	Lys	Ala	Leu	Ser	Thr
225					230					235					240
Cys	Ala	Ser	His	Phe	Leu	Ser	Val	Ser	Ile	Phe	Tyr	Gly	Ser	Leu	Leu
				245					250					255	
Tyr	Thr	Tyr	Ile	Arg	Pro	Ser	Ser	Ile	Asn	Glu	Gly	Asn	Glu	Asp	Ile
			260					265					270		
Pro	Val	Ala	Ile	Phe	Tyr	Thr	Leu	Val	Ile	Pro	Leu	Leu	Asn	Pro	Phe
		275					280					285			
Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Glu	Val	Ile	Asn	Ala	Ile	Lys	Arg	Thr
	290					295					300				
Met	Asn	Lys	Gly												
305															

<210> 1424

<211> 309

<212> PRT

<213> Mus musculus

<400> 1424

Met	Leu	Glu	Gly	Asn	His	Thr	Met	Lys	His	Glu	Phe	Ile	Leu	Thr	Gly
1				5					10					15	
Phe	Thr	Lys	His	Pro	Glu	Met	Lys	Gly	Leu	Leu	Phe	Ala	Val	Phe	Phe
			20					25					30		
Phe	Ile	Tyr	Leu	Ile	Thr	Met	Ile	Gly	Asn	Met	Gly	Leu	Val	Ile	Leu
		35					40					45			
Ile	Cys	Thr	Glu	Arg	Ser	Leu	His	Thr	Pro	Met	Tyr	Ile	Phe	Leu	Gly
	50					55					60				
Asn	Leu	Ala	Phe	Ile	Asp	Ser	Cys	Cys	Ala	Cys	Ala	Ile	Thr	Pro	Lys
65					70					75					80
Met	Leu	Glu	Asn	Phe	Phe	Ser	Glu	Asp	Arg	Ile	Ile	Ser	Leu	Tyr	Glu
			85						90					95	
Cys	Met	Ala	Gln	Phe	Tyr	Phe	Leu	Ser	Thr	Val	Glu	Thr	Ala	Asp	Cys
			100						105					110	
Phe	Leu	Leu	Ser	Ala	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Asn
			115				120					125			
Pro	Leu	Gln	Tyr	His	Thr	Met	Met	Ser	Lys	Lys	Leu	Cys	Leu	Gln	Met
	130					135					140				
Ile	Thr	Gly	Ala	Phe	Ile	Val	Gly	Asn	Leu	His	Ser	Met	Val	His	Val
145					150					155					160
Gly	Leu	Leu	Phe	Arg	Leu	Ala	Phe	Cys	Gly	Ser	Asn	Gln	Ile	Asn	His
				165					170					175	
Phe	Tyr	Cys	Asp	Ile	Leu	Pro	Leu	Tyr	Arg	Leu	Ser	Cys	Val	Asp	Pro
			180					185					190		
Tyr	Val	Asn	Glu	Leu	Val	Leu	Leu	Val	Phe	Ser	Ala	Pro	Ile	Gln	Val

	195					200					205								
Phe	Thr	Ile	Ser	Cys	Val	Leu	Ile	Ser	Tyr	Leu	Phe	Ile	Val	Tyr	Thr				
	210					215					220								
Ile	Phe	Gln	Met	Lys	Ser	Lys	Glu	Gly	Arg	Ile	Lys	Ala	Phe	Ser	Thr				
225					230					235					240				
Cys	Ala	Ser	His	Phe	Leu	Ser	Val	Ser	Leu	Phe	Tyr	Gly	Ser	Leu	Phe				
				245					250					255					
Phe	Ile	Tyr	Ile	Lys	Pro	Asn	Leu	Leu	Glu	Glu	Gly	Asp	Lys	Asp	Met				
			260					265					270						
Pro	Ala	Ala	Ile	Leu	Phe	Thr	Ile	Val	Val	Pro	Leu	Leu	Asn	Pro	Phe				
		275				280						285							
Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Glu	Val	Lys	Asn	Val	Leu	Gln	Lys	Ile				
	290					295					300								
Leu	Gln	Lys	Asn	Lys															
305																			

<210> 1425
 <211> 321
 <212> PRT
 <213> Mus musculus

<400> 1425

Met	Val	Glu	Glu	Asn	His	Thr	Met	Lys	Arg	Glu	Phe	Val	Leu	Thr	Gly				
1				5					10					15					
Phe	Thr	Asp	His	Pro	Glu	Met	Lys	Gly	Leu	Leu	Phe	Ala	Val	Phe	Phe				
			20					25					30						
Phe	Ile	Tyr	Leu	Ile	Thr	Met	Ile	Gly	Asn	Met	Gly	Leu	Val	Ile	Leu				
		35				40					45								
Ile	Ser	Lys	Glu	Arg	Ser	Leu	His	Thr	Pro	Met	Tyr	Ile	Phe	Leu	Gly				
	50					55					60								
Asn	Leu	Ala	Phe	Ile	Asp	Ser	Cys	Cys	Ala	Cys	Ala	Ile	Thr	Pro	Lys				
65				70					75					80					
Met	Leu	Glu	Asn	Phe	Phe	Ser	Glu	Asp	Arg	Ile	Ile	Ser	Leu	Tyr	Glu				
			85						90					95					
Cys	Met	Ala	Gln	Phe	Tyr	Phe	Leu	Cys	Thr	Val	Glu	Thr	Ala	Asp	Cys				
		100						105					110						
Phe	Leu	Leu	Ser	Ala	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Asn				
		115						120					125						
Pro	Leu	Gln	Tyr	His	Thr	Thr	Met	Ser	Lys	Lys	Leu	Cys	Leu	Gln	Met				
	130					135					140								
Thr	Thr	Gly	Ala	Phe	Ile	Ala	Gly	Asn	Leu	His	Ser	Met	Val	His	Val				
145					150					155				160					
Gly	Leu	Leu	Phe	Arg	Leu	Ala	Phe	Cys	Gly	Ser	Asn	Gln	Ile	Asn	His				
			165						170					175					
Phe	Tyr	Cys	Asp	Ile	Leu	Pro	Leu	Tyr	Arg	Leu	Ser	Cys	Val	Asp	Pro				
		180						185					190						
Tyr	Ile	Asn	Glu	Leu	Val	Leu	Phe	Val	Phe	Ser	Gly	Ser	Ile	Gln	Val				
		195					200					205							
Phe	Thr	Ile	Gly	Cys	Val	Leu	Ile	Ser	Tyr	Leu	Phe	Ile	Val	Tyr	Thr				
	210					215					220								
Ile	Phe	Gln	Met	Lys	Ser	Lys	Glu	Gly	Arg	Ile	Lys	Ala	Phe	Ser	Thr				
225					230					235					240				
Cys	Ala	Ser	His	Phe	Leu	Ser	Val	Ser	Leu	Phe	Tyr	Gly	Ser	Leu	Leu				
			245						250					255					
Phe	Met	Tyr	Ile	Arg	Pro	Asn	Leu	Leu	Glu	Glu	Gly	Asp	Lys	Asp	Met				
		260					265					270							
Pro	Ala	Ala	Ile	Leu	Phe	Thr	Ile	Val	Val	Pro	Leu	Leu	Asn	Pro	Phe				
		275					280					285							

Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Glu	Val	Lys	Asn	Val	Leu	Gln	Lys	Ile
	290					295					300				
Leu	Gln	Lys	Lys	Ile	Ile	Ser	Lys	Asn	Phe	Lys	Gln	Ala	Ser	Ile	Ile
305					310					315					320
Val															

<210> 1426
 <211> 317
 <212> PRT
 <213> Mus musculus

<400> 1426

Met	Met	Lys	Ala	Asn	His	Ser	Leu	Thr	Val	Glu	Phe	Ile	Leu	Ile	Gly
1				5					10					15	
Phe	Ser	Asp	His	Thr	Asp	Leu	Lys	Thr	Leu	Leu	Phe	Leu	Leu	Phe	Ser
			20					25					30		
Ala	Ile	Tyr	Leu	Val	Thr	Ile	Val	Gly	Asn	Leu	Gly	Leu	Val	Ala	Leu
		35					40					45			
Ile	Tyr	Met	Glu	Pro	Arg	Leu	His	Thr	Pro	Met	Tyr	Ile	Phe	Leu	Gly
	50					55					60				
Asn	Leu	Ala	Leu	Met	Asp	Ser	Cys	Cys	Ser	Cys	Ala	Ile	Thr	Pro	Lys
65					70					75					80
Met	Leu	Glu	Asn	Phe	Phe	Ser	Val	Asp	Arg	Arg	Ile	Ser	Leu	Tyr	Glu
				85					90					95	
Cys	Met	Val	Gln	Phe	Tyr	Phe	Leu	Cys	Leu	Ala	Glu	Thr	Ala	Asp	Cys
			100					105					110		
Phe	Leu	Leu	Ala	Ala	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Asn
		115					120					125			
Pro	Leu	Gln	Tyr	His	Ser	Met	Met	Ser	Lys	Lys	Leu	Ser	Ile	Gln	Met
		130				135						140			
Ser	Ile	Gly	Thr	Phe	Ile	Ala	Ser	Asn	Leu	His	Ser	Leu	Ile	His	Thr
145					150					155					160
Gly	Cys	Leu	Leu	Arg	Leu	Asn	Phe	Cys	Lys	Ser	Arg	Arg	Ile	Asp	His
				165					170					175	
Phe	Phe	Cys	Asp	Ile	Leu	Pro	Leu	Tyr	Lys	Leu	Ser	Cys	Thr	Asp	Pro
			180					185					190		
Phe	Ile	Asn	Glu	Leu	Met	Leu	Tyr	Ile	Phe	Ser	Met	Pro	Ile	Gln	Val
		195					200					205			
Phe	Thr	Ile	Thr	Thr	Val	Leu	Val	Ser	Tyr	Ser	Cys	Ile	Leu	Leu	Thr
	210					215					220				
Val	Phe	Lys	Met	Lys	Ser	Lys	Asp	Gly	Arg	Gly	Lys	Thr	Phe	Ser	Thr
225					230					235					240
Cys	Ala	Ser	His	Phe	Phe	Ser	Val	Ser	Ile	Phe	Tyr	Ile	Cys	Leu	Leu
				245					250					255	
Met	Tyr	Ile	Gly	Pro	Ser	Lys	Asn	Ser	Asn	Lys	Asp	Ile	Pro	Val	Asp
			260					265					270		
Val	Phe	Tyr	Thr	Ile	Val	Ile	Pro	Leu	Leu	Asn	Pro	Phe	Ile	Tyr	Ser
		275					280					285			
Leu	Arg	Asn	Lys	Glu	Val	Val	Asn	Ala	Val	Lys	Lys	Val	Met	Lys	Thr
	290					295					300				
His	Ser	Ile	Phe	Lys	Asn	Ser	Ser	Ala	Ser	Ile	Ala	His			
305					310					315					

<210> 1427
 <211> 308
 <212> PRT

<213> Mus musculus

<400> 1427

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Met Ala Glu Asn Asn Tyr Ser Val Thr Asn Glu Phe Ile Leu Val Gly
 1      5      10
Phe Ser Asp His Pro Asp Leu Lys Thr Pro Leu Phe Leu Val Phe Ser
 20      25      30
Ala Ile Tyr Leu Val Thr Met Val Gly Asn Leu Gly Leu Val Ala Leu
 35      40      45
Ile Tyr Met Glu Pro Arg Leu His Thr Pro Met Tyr Ile Phe Leu Gly
 50      55      60
Asn Leu Ala Leu Met Asp Ser Cys Cys Ser Cys Ala Ile Thr Pro Lys
 65      70      75
Met Leu Glu Asn Phe Ser Val Asp Arg Arg Ile Ser Leu Tyr Glu
 85      90      95
Cys Met Val Gln Phe Tyr Phe Leu Cys Leu Ala Glu Thr Thr Asp Cys
100      105      110
Phe Leu Leu Ala Ala Met Ala Tyr Asp Arg Tyr Val Ala Ile Cys Asn
115      120      125
Pro Leu Gln Tyr His Ser Met Met Ser Lys Lys Leu Cys Leu Gln Met
130      135      140
Thr Met Gly Ser Tyr Ile Ala Gly Asn Leu His Pro Met Ile Glu Val
145      150      155
Gly Leu Leu Leu Arg Leu Thr Phe Cys Arg Ser His Val Ile Lys His
165      170      175
Phe Phe Cys Asp Val Leu Pro Leu Tyr Arg Ile Ser Cys Thr Asp Pro
180      185      190
Asn Ile Asn Glu Leu Ile Leu Leu Val Leu Ala Gly Ser Ile Gln Val
195      200      205
Phe Thr Ile Ser Ile Val Leu Val Ser Tyr Ser Cys Ile Leu Phe Thr
210      215      220
Ile Phe Thr Met Lys Ser Lys Glu Gly Arg Gly Lys Ala Leu Ser Thr
225      230      235
Cys Ala Ser His Phe Leu Ser Val Ser Ile Phe Tyr Gly Ser Leu Leu
245      250      255
Phe Met Tyr Ala Gln Pro His Ser Ala Asn Glu Gly Asp Lys Asp Met
260      265      270
Pro Val Ala Ile Phe Tyr Thr Leu Ile Ile Pro Leu Leu Asn Pro Phe
275      280      285
Ile Tyr Ser Leu Arg Asn Lys Glu Val Ile Asn Val Met Lys Lys Thr
290      295      300
Met Lys Arg Arg
305
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<210> 1428

<211> 319

<212> PRT

<213> Mus musculus

<400> 1428

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Met Arg Leu Glu Lys Thr Asn His Ser Leu Thr Thr Gln Phe Ile Leu
 1      5      10
Val Gly Phe Ser Asp His Pro Asp Leu Lys Thr Pro Leu Phe Leu Leu
 20      25      30
Phe Ser Val Ile Tyr Leu Val Thr Met Val Gly Asn Leu Gly Leu Val
 35      40      45
Ala Leu Ile Tyr Met Glu Pro Arg Leu His Thr Pro Met Tyr Ile Phe
 50      55      60
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Leu	Gly	Asn	Leu	Ala	Leu	Met	Asp	Ser	Cys	Cys	Ser	Cys	Ala	Ile	Thr
65				70					75					80	
Pro	Lys	Met	Leu	Glu	Asn	Phe	Phe	Ser	Val	Asp	Arg	Lys	Ile	Ser	Leu
			85					90					95		
Tyr	Glu	Cys	Met	Ala	Gln	Phe	Tyr	Phe	Leu	Cys	Leu	Ala	Glu	Thr	Ser
			100					105					110		
Asp	Cys	Phe	Leu	Leu	Ala	Ala	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile
		115					120					125			
Cys	Asn	Pro	Leu	Gln	Tyr	His	Ser	Met	Met	Thr	Lys	Lys	Leu	Ser	Ile
	130					135					140				
Gln	Met	Ser	Ile	Gly	Thr	Phe	Ile	Ala	Ser	Asn	Leu	Ile	Ser	Ile	Leu
145				150						155					160
His	Val	Gly	Cys	Leu	Leu	Arg	Leu	Thr	Phe	Cys	Lys	Ser	Asn	Arg	Ile
			165						170					175	
Asp	His	Phe	Phe	Cys	Asp	Ile	Leu	Pro	Leu	Tyr	Arg	Leu	Ser	Cys	Thr
			180					185					190		
Asp	Pro	Phe	Ile	Asn	Glu	Leu	Met	Ile	Tyr	Ile	Phe	Ser	Met	Pro	Ile
		195					200					205			
Gln	Phe	Leu	Thr	Ile	Thr	Thr	Val	Leu	Val	Ser	Tyr	Phe	Cys	Ile	Leu
	210					215					220				
Leu	Thr	Ile	Phe	Lys	Met	Lys	Ser	Lys	Asp	Gly	Arg	Gly	Lys	Ala	Leu
225				230						235					240
Ser	Thr	Cys	Ala	Ser	His	Phe	Phe	Ser	Val	Ser	Ile	Phe	Tyr	Ala	Cys
			245						250					255	
Leu	Leu	Met	Tyr	Ile	Arg	Pro	Phe	Asp	Asp	Ser	Asn	Lys	Asp	Ile	Pro
		260						265					270		
Val	Ala	Ile	Phe	Tyr	Thr	Ile	Ile	Ile	Pro	Leu	Leu	Asn	Pro	Phe	Ile
		275						280					285		
Tyr	Ser	Leu	Arg	Asn	Thr	Glu	Val	Val	Asn	Ala	Val	Lys	Lys	Val	Met
	290					295					300				
Lys	Ile	Tyr	Thr	Ile	Phe	Lys	Arg	Ser	Ser	Ala	Ser	Ala	Ala	His	
305					310					315					

<210> 1429

<211> 309

<212> PRT

<213> Mus musculus

<400> 1429

Met	Thr	Glu	Asp	Asn	Tyr	Ser	Leu	Ala	Thr	Glu	Phe	Ile	Leu	Ile	Gly
1				5					10					15	
Phe	Ser	Asp	His	Pro	Asp	Leu	Lys	Thr	Leu	Leu	Phe	Leu	Val	Phe	Ser
			20					25					30		
Ala	Ile	Tyr	Leu	Val	Thr	Met	Val	Gly	Asn	Leu	Gly	Leu	Val	Thr	Leu
		35					40					45			
Ile	Tyr	Ile	Glu	Pro	Arg	Leu	His	Thr	Pro	Met	Tyr	Ile	Phe	Leu	Gly
	50					55					60				
Asn	Leu	Ala	Leu	Met	Asp	Ser	Cys	Cys	Ser	Cys	Ala	Ile	Thr	Pro	Lys
65					70					75					80
Met	Leu	Glu	Asn	Phe	Phe	Ser	Val	Asp	Arg	Arg	Ile	Ser	Leu	Tyr	Glu
			85					90					95		
Cys	Met	Ala	Gln	Phe	Tyr	Phe	Leu	Cys	Leu	Ala	Glu	Thr	Thr	Asp	Cys
			100					105					110		
Phe	Leu	Leu	Ala	Ala	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Asn
		115					120					125			
Pro	Leu	Gln	Tyr	His	Ser	Met	Met	Ser	Lys	Lys	Leu	Cys	Leu	Gln	Met
	130					135					140				
Thr	Thr	Gly	Ala	Tyr	Ile	Ala	Gly	Asn	Leu	His	Ser	Met	Ile	His	Ile

145					150					155				160
Gly	Phe	Leu	Phe	Arg	Leu	Thr	Phe	Cys	Arg	Ser	His	Val	Ile	Lys
				165					170					175
Phe	Phe	Cys	Asp	Val	Leu	Pro	Leu	Tyr	Arg	Leu	Ser	Cys	Val	Asp
			180						185				190	Pro
Tyr	Ile	Asn	Glu	Leu	Met	Ile	Leu	Ile	Phe	Ser	Gly	Ser	Leu	Gln
		195					200					205		Thr
Phe	Thr	Ile	Thr	Ile	Val	Leu	Ile	Ser	Tyr	Phe	Cys	Ile	Leu	Phe
	210					215					220			Thr
Ile	Phe	Thr	Met	Lys	Ser	Arg	Glu	Gly	Arg	Arg	Lys	Ala	Leu	Ser
225					230				235					240
Cys	Ala	Ser	His	Phe	Leu	Ser	Val	Ser	Ile	Phe	Tyr	Gly	Ser	Leu
				245					250					255
Tyr	Met	Tyr	Ile	Arg	Pro	Ser	Ser	Leu	Asn	Glu	Gly	Tyr	Lys	Asp
		260						265					270	Ile
Pro	Val	Ala	Ile	Phe	Tyr	Thr	Leu	Val	Ile	Pro	Leu	Leu	Asn	Pro
		275					280					285		Phe
Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Glu	Val	Ile	Asn	Val	Met	Lys	Arg
	290				295					300				Ala
Met	Lys	Lys	Arg	Leu										
305														

<210> 1430

<211> 307

<212> PRT

<213> Mus musculus

<400> 1430

Met	Ala	Glu	Arg	Asn	Trp	Thr	Leu	Val	Thr	Glu	Phe	Val	Leu	Thr	Gly
1				5					10					15	
Leu	Thr	Glu	Arg	Pro	Glu	Leu	Gln	Val	Pro	Leu	Phe	Leu	Val	Phe	Leu
			20					25					30		
Ile	Ile	Tyr	Leu	Thr	Thr	Met	Val	Gly	Asn	Leu	Gly	Leu	Ile	Ala	Leu
		35					40					45			
Ile	Trp	Lys	Asp	Pro	His	Leu	His	Thr	Pro	Met	Tyr	Val	Phe	Leu	Ser
	50					55					60				
Ser	Leu	Ala	Phe	Ala	Asp	Val	Cys	Thr	Ser	Ser	Ser	Val	Thr	Pro	Arg
65					70				75						80
Met	Leu	Val	Asn	Phe	Leu	Ser	Thr	Asp	His	Glu	Ile	Ser	Leu	Val	Glu
			85						90					95	
Cys	Phe	Thr	Gln	Phe	Tyr	Phe	Phe	Cys	Ser	Ser	Ala	Thr	Thr	Glu	Cys
			100					105					110		
Phe	Leu	Leu	Leu	Val	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Asn
		115					120					125			
Pro	Leu	Leu	Tyr	Pro	Val	Val	Met	Ser	Asn	Lys	Leu	Cys	Thr	Gln	Phe
	130					135					140				
Ile	Val	Val	Thr	Tyr	Phe	Ile	Gly	Val	Leu	Asn	Ser	Thr	Ile	His	Val
145					150				155						160
Gly	Leu	Leu	Ile	Arg	Leu	Thr	Phe	Cys	Arg	Ser	Asn	Val	Ile	Asp	Tyr
				165					170					175	
Phe	Tyr	Cys	Glu	Ile	Val	Lys	Leu	Leu	Thr	Ile	Ser	Cys	Thr	Asp	Pro
			180					185					190		
Ser	Ile	Asn	Met	Leu	Val	Val	Phe	Ile	Cys	Ser	Ile	Phe	Ile	Gln	Ala
		195					200					205			
Ser	Thr	Leu	Ala	Asn	Ile	Val	Val	Ser	Tyr	Thr	Arg	Val	Leu	Phe	Ala
	210					215					220				
Ile	Leu	Arg	Lys	Lys	Ser	Glu	Lys	Gly	Arg	Ser	Lys	Ala	Phe	Ser	Thr
225					230				235						240

<210> 1432
 <211> 318
 <212> PRT
 <213> Mus musculus

<400> 1432
 Met Thr Glu Asp Asn Tyr Ser Leu Ala Thr Glu Phe Ile Leu Thr Gly
 1 5 10 15
 Phe Ser Asp Tyr Pro Asp Leu Lys Ile Leu Leu Phe Leu Val Phe Ser
 20 25 30
 Ala Ile Tyr Leu Val Thr Met Val Gly Asn Leu Gly Leu Val Ala Leu
 35 40 45
 Ile Tyr Met Glu Ser Arg Leu His Thr Pro Met Tyr Ile Phe Leu Gly
 50 55 60
 Asn Leu Ala Leu Met Asp Ser Cys Cys Ser Cys Ala Ile Thr Pro Lys
 65 70 75 80
 Met Leu Glu Asn Phe Phe Ser Val Asp Arg Arg Ile Ser Leu Tyr Glu
 85 90 95
 Cys Met Ala Gln Phe Tyr Phe Leu Cys Leu Ala Glu Thr Ala Asp Cys
 100 105 110
 Phe Leu Leu Ala Ala Met Ala Asp Arg Tyr Val Ala Ile Cys Asn
 115 120 125
 Pro Leu Gln Tyr His Thr Met Met Ser Lys Lys Leu Cys Leu Gln Met
 130 135 140
 Thr Thr Gly Ala Tyr Ile Ala Gly Asn Ile His Ser Met Ile Gln Ile
 145 150 155 160
 Gly Phe Leu Phe Arg Leu Thr Phe Cys Arg Ser His Val Ile Lys His
 165 170 175
 Phe Phe Cys Asp Val Leu Pro Leu Tyr Arg Leu Ser Cys Val Asp Pro
 180 185 190
 Tyr Ile Asn Glu Leu Met Ile Leu Ile Phe Ser Gly Ile Ala Gln Thr
 195 200 205
 Phe Thr Ile Thr Ile Val Leu Ile Ser Tyr Phe Cys Ile Leu Phe Thr
 210 215 220
 Ile Phe Thr Met Lys Ser Arg Glu Gly Arg Arg Lys Ala Leu Ser Thr
 225 230 235 240
 Cys Ala Ser His Phe Leu Ser Val Ser Ile Phe Tyr Gly Ser Leu Leu
 245 250 255
 Tyr Met Tyr Ile Arg Pro Ser Ser Leu Asn Glu Gly Tyr Lys Asp Ile
 260 265 270
 Pro Val Ala Ile Cys Tyr Thr Leu Ile Ile Pro Leu Leu Asn Pro Phe
 275 280 285
 Ile Tyr Ser Leu Arg Asn Lys Glu Val Ile Asn Val Met Lys Glu Gln
 290 295 300
 Cys Arg Asp Asn Cys Asn Ile Leu Lys Ser Phe Phe Glu Asn
 305 310 315

<210> 1433
 <211> 305
 <212> PRT
 <213> Mus musculus

<400> 1433
 Met Glu Lys Asn Ser Thr Leu Met Thr Glu Phe Val Leu Arg Gly Ile
 1 5 10 15
 Thr Asp Arg Pro Glu Leu Gln Val Pro Leu Phe Leu Val Phe Phe Phe
 20 25 30

Ile	Tyr	Val	Thr	Thr	Met	Val	Gly	Asn	Leu	Gly	Leu	Ile	Phe	Leu	Ile
		35					40					45			
Trp	Lys	Asp	Pro	His	Leu	His	Thr	Pro	Met	Tyr	Leu	Phe	Leu	Gly	Asn
	50					55					60				
Leu	Ala	Phe	Ala	Asp	Ala	Cys	Thr	Ser	Ser	Ser	Val	Thr	Pro	Lys	Met
65					70					75					80
Leu	Met	Lys	Phe	Leu	Asn	Lys	Asn	Asp	Ile	Ile	Ser	Arg	Gly	Glu	Cys
				85					90					95	
Phe	Ala	Gln	Phe	Tyr	Phe	Phe	Cys	Phe	Ser	Ala	Thr	Thr	Glu	Ile	Phe
			100					105					110		
Leu	Leu	Val	Ala	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Asn	Pro
		115					120					125			
Leu	Leu	Tyr	Leu	Val	Val	Met	Ser	Lys	Arg	Leu	Cys	Thr	Val	Leu	Ile
	130					135					140				
Ser	Leu	Ser	Tyr	Ile	Ile	Gly	Val	Leu	Asn	Pro	Ile	Val	His	Val	Gly
145					150					155					160
Leu	Leu	Phe	Arg	Leu	Thr	Phe	Cys	Lys	Ser	Asn	Val	Ile	Asp	His	Phe
				165					170					175	
Tyr	Cys	Glu	Ile	Met	Pro	Leu	Tyr	Ala	Ile	Ser	Cys	Thr	Asp	Pro	Ser
			180					185					190		
Leu	Asn	Gly	Leu	Val	Ala	Phe	Ile	Phe	Ala	Ser	Ser	Ile	Gln	Ile	Ser
		195					200					205			
Thr	Ser	Val	Thr	Ile	Val	Val	Ser	Tyr	Ala	Arg	Val	Leu	Phe	Ala	Val
	210					215					220				
Leu	Asn	Met	Lys	Ser	Glu	Arg	Gly	Arg	Arg	Lys	Ala	Phe	Phe	Thr	Cys
225					230					235					240
Ser	Ala	His	Leu	Leu	Ser	Val	Ser	Leu	Phe	Tyr	Gly	Thr	Leu	Leu	Phe
				245					250					255	
Met	Tyr	Val	Ser	Pro	Gly	Ser	Gly	Ser	Gly	Lys	Gln	Lys	Asp	Lys	Met
			260					265					270		
Tyr	Ser	Leu	Phe	Tyr	Thr	Val	Val	Ile	Pro	Leu	Leu	Asn	Pro	Phe	Ile
		275					280					285			
Tyr	Ser	Leu	Arg	Asn	Lys	Glu	Val	Leu	Gly	Ala	Leu	Lys	Lys	Leu	Ile
	290					295					300				

Lys
305

<210> 1434

<211> 306

<212> PRT

<213> Mus musculus

<400> 1434

Met	Glu	Lys	Asn	Ser	Thr	Leu	Leu	Thr	Glu	Phe	Val	Leu	Arg	Gly	Ile
1				5					10					15	
Thr	Asp	Arg	Ser	Glu	Leu	Gln	Val	Pro	Leu	Leu	Leu	Val	Phe	Phe	Leu
			20					25				30			
Ile	Tyr	Val	Thr	Thr	Met	Val	Gly	Asn	Leu	Gly	Leu	Ile	Phe	Leu	Ile
		35					40					45			
Trp	Lys	Asp	Pro	His	Leu	His	Thr	Pro	Met	Tyr	Leu	Phe	Leu	Gly	Asn
	50					55					60				
Leu	Ala	Phe	Ala	Asp	Ala	Cys	Ile	Ser	Thr	Thr	Val	Thr	Pro	Lys	Met
65					70					75					80
Leu	Met	Lys	Phe	Leu	Asn	Lys	Asn	Asp	Met	Ile	Ser	Val	Gly	Glu	Cys
				85					90					95	
Phe	Ala	Gln	Tyr	Tyr	Phe	Phe	Cys	Ile	Ser	Ala	Thr	Thr	Glu	Ile	Phe
			100					105					110		
Leu	Leu	Val	Ala	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Asn	Pro

Leu	Leu	Tyr	Leu	Val	Val	Met	Ser	Lys	Arg	Leu	Cys	Thr	Val	Leu	Ile
	130					135					140				
Ser	Ile	Ser	Tyr	Ile	Ile	Gly	Phe	Val	Asn	Cys	Gly	Leu	Asn	Ile	Gly
145					150					155					160
Leu	Leu	Phe	Arg	Leu	Thr	Phe	Cys	Lys	Ser	Asn	Ile	Ile	Asp	His	Phe
				165					170					175	
Tyr	Cys	Glu	Ile	Leu	Gln	Leu	Tyr	Thr	Ile	Ser	Cys	Thr	Asp	Pro	Ser
			180					185					190		
Leu	Asn	Thr	Leu	Val	Val	Phe	Ile	Cys	Ala	Ser	Ser	Ile	Gln	Ile	Ser
		195					200					205			
Thr	Ser	Val	Thr	Ile	Ile	Val	Ser	Tyr	Ala	Arg	Val	Leu	Phe	Ala	Val
210					215						220				
Leu	Asn	Met	Lys	Ser	Glu	Arg	Gly	Arg	Arg	Lys	Ala	Phe	Phe	Thr	Cys
225					230					235					240
Ser	Ala	His	Leu	Leu	Ser	Val	Ser	Leu	Phe	Tyr	Gly	Thr	Leu	Leu	Phe
				245					250					255	
Met	Tyr	Val	Ser	Pro	Gly	Ser	Gly	Ser	Gly	Lys	Gln	Lys	Asp	Lys	Ile
			260				265					270			
Tyr	Ser	Leu	Phe	Tyr	Thr	Val	Val	Ile	Pro	Leu	Leu	Asn	Pro	Phe	Ile
		275				280						285			
Tyr	Ser	Leu	Arg	Asn	Lys	Glu	Val	Leu	Gly	Ala	Leu	Lys	Lys	Phe	Ile
		290				295					300				
Lys	Cys														
305															

<210> 1435

<211> 315

<212> PRT

<213> Mus musculus

<400> 1435

Met	Leu	Thr	Gly	Lys	Ser	Val	Leu	Asn	Gln	Ser	Gly	Thr	Thr	Glu	Phe
1				5					10					15	
Val	Phe	Arg	Val	Phe	Thr	Thr	Val	Pro	Glu	Phe	Gln	Ala	Leu	Leu	Phe
			20					25				30			
Leu	Leu	Phe	Leu	Leu	Leu	Tyr	Leu	Met	Ile	Leu	Cys	Gly	Asn	Ala	Ala
		35					40					45			
Ile	Ile	Trp	Val	Val	Cys	Thr	His	Ser	Ala	Leu	His	Thr	Pro	Met	Tyr
		50				55					60				
Phe	Phe	Leu	Ser	Ser	Leu	Ser	Val	Leu	Glu	Ile	Phe	Tyr	Thr	Thr	Asp
65					70					75					80
Val	Val	Pro	Leu	Met	Leu	Ser	Asn	Ile	Phe	Gly	Ala	Gln	Lys	Pro	Ile
				85					90				95		
Ser	Leu	Ala	Gly	Cys	Gly	Thr	Gln	Met	Phe	Phe	Phe	Val	Thr	Leu	Gly
			100					105					110		
Ser	Thr	Asp	Cys	Phe	Leu	Leu	Ala	Val	Met	Ala	Tyr	Asp	Arg	Tyr	Val
		115					120					125			
Ala	Ile	Cys	His	Pro	Leu	His	Tyr	Ser	Leu	Ile	Met	Thr	Lys	Lys	Leu
		130				135					140				
Cys	Val	Gln	Met	Val	Met	Gly	Ser	Trp	Ser	Leu	Ala	Leu	Phe	Leu	Ser
145					150					155					160
Leu	Gln	Leu	Thr	Ala	Leu	Ile	Phe	Thr	Leu	Pro	Phe	Cys	Gly	His	Asp
				165					170					175	
Gln	Glu	Ile	Asn	His	Phe	Leu	Cys	Asp	Val	Pro	Pro	Val	Leu	Arg	Leu
			180					185					190		
Ala	Cys	Ala	Asp	Ile	His	Val	His	Gln	Ala	Val	Leu	Tyr	Val	Val	Gly
		195					200					205			

Ile	Leu	Val	Leu	Thr	Val	Pro	Phe	Leu	Leu	Ile	Cys	Ile	Ser	Tyr	Val
	210					215					220				
Phe	Ile	Ala	Ser	Thr	Ile	Leu	Arg	Met	Arg	Ser	Ala	Glu	Gly	Arg	Gln
225					230					235					240
Arg	Ala	Phe	Ser	Thr	Cys	Ser	Ser	His	Leu	Thr	Val	Val	Leu	Leu	Gln
				245					250						255
Tyr	Gly	Cys	Cys	Ser	Leu	Val	Tyr	Leu	Arg	Pro	Arg	Ser	Ser	Thr	Ser
			260					265						270	
Glu	Asp	Glu	Asp	Arg	Gln	Ile	Ala	Leu	Val	Tyr	Thr	Phe	Val	Thr	Pro
		275					280					285			
Leu	Leu	Asn	Pro	Leu	Ile	Tyr	Thr	Leu	Arg	Asn	Lys	Asp	Val	Lys	Gly
	290					295					300				
Ala	Leu	Lys	Asn	Ser	Ile	Phe	His	Lys	Ala	Val					
305					310					315					

<210> 1436

<211> 317

<212> PRT

<213> Mus musculus

<400> 1436

Met	Asn	Met	Asp	Gln	Gly	Asn	Gln	Thr	Ser	Ile	Ser	Glu	Phe	Ile	Leu
1				5					10					15	
Leu	Gly	Leu	Ser	Asn	Gln	Ala	Glu	Lys	Gln	Lys	Leu	Ile	Phe	Val	Ile
			20					25					30		
Phe	Leu	Ser	Met	Tyr	Leu	Val	Thr	Val	Ile	Gly	Asn	Ser	Leu	Ile	Ile
		35					40				45				
Leu	Ala	Ile	Gly	Leu	Asp	Ile	His	Leu	His	Thr	Pro	Met	Tyr	Leu	Phe
	50					55					60				
Leu	Ala	Asn	Leu	Ser	Phe	Ala	Asp	Ile	Ser	Ser	Ser	Ser	Thr	Ser	Val
65					70					75					80
Pro	Lys	Met	Leu	Met	Asn	Ile	Gln	Thr	Asn	Ser	Gln	Ser	Ile	Ser	Tyr
				85					90					95	
Glu	Gly	Cys	Ile	Thr	Gln	Met	Tyr	Phe	Ser	Ile	Val	Phe	Val	Val	Ile
			100					105					110		
Asp	Asn	Phe	Leu	Leu	Gly	Val	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile
		115					120					125			
Cys	His	Pro	Leu	Asn	Tyr	Thr	Asn	Ile	Met	His	Pro	Arg	Phe	Cys	Leu
	130						135				140				
Leu	Leu	Ser	Phe	Cys	Pro	Trp	Ala	Leu	Ser	Asn	Ile	Val	Ala	Leu	Thr
145					150					155					160
His	Thr	Leu	Leu	Ala	Asn	Gln	Leu	Ile	Phe	Cys	Asn	His	Asn	Thr	Ile
				165					170					175	
Gln	His	Phe	Phe	Cys	Asp	Leu	Ala	Pro	Leu	Ile	Lys	Leu	Ser	Cys	Ser
			180					185					190		
Asp	Ala	Met	Ile	Asn	Glu	Leu	Val	Lys	Phe	Val	Val	Gly	Leu	Ser	Val
		195					200					205			
Ile	Thr	Phe	Pro	Phe	Ala	Leu	Ile	Leu	Phe	Ser	Tyr	Val	Cys	Ile	Ile
	210					215					220				
Arg	Asp	Val	Leu	Arg	Ile	Ser	Ser	Thr	Glu	Gly	Lys	Trp	Lys	Ala	Phe
225					230					235					240
Ser	Thr	Cys	Gly	Ser	His	Leu	Thr	Ile	Val	Phe	Leu	Phe	Tyr	Gly	Thr
				245					250					255	
Ile	Val	Gly	Val	Tyr	Phe	Phe	Pro	Ser	Ser	Thr	His	Pro	Glu	Asp	Thr
			260					265					270		
Asp	Lys	Ile	Gly	Ala	Val	Leu	Phe	Thr	Val	Val	Thr	Pro	Met	Leu	Asn
		275					280					285			
Pro	Phe	Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Met	Lys	Gly	Ala	Leu	Arg

290		295		300								
Lys	Leu	Ile	Asn	Lys	Ser	His	Leu	Leu	Pro	Leu	Met	Ser
305					310					315		

<210> 1437
 <211> 310
 <212> PRT
 <213> Mus musculus

<400> 1437

Met	Gly	Gly	Asn	Gln	Thr	Leu	Ile	Thr	Gln	Phe	Ile	Leu	Leu	Gly	Phe
1				5					10					15	
Pro	Leu	Ser	Pro	Arg	Met	Gln	Met	Leu	Leu	Phe	Ala	Leu	Phe	Ser	Leu
			20					25					30		
Phe	Tyr	Ala	Phe	Thr	Leu	Leu	Gly	Asn	Gly	Thr	Ile	Leu	Gly	Leu	Ile
		35					40					45			
Cys	Leu	Asp	Ser	Arg	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Ser	His
		50				55					60				
Leu	Ala	Ile	Val	Asp	Ile	Ala	Tyr	Ala	Cys	Asn	Thr	Val	Pro	Gln	Met
65					70					75					80
Leu	Val	Asn	Leu	Met	Asp	Pro	Ala	Lys	Pro	Ile	Ser	Phe	Ala	Gly	Cys
				85					90					95	
Met	Thr	Gln	Thr	Phe	Leu	Phe	Leu	Thr	Phe	Ala	His	Thr	Glu	Cys	Leu
			100					105					110		
Leu	Leu	Val	Val	Met	Ser	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	His	Pro
		115					120					125			
Leu	Arg	Tyr	Thr	Ala	Ile	Met	Ser	Trp	Arg	Val	Cys	Val	Ile	Leu	Val
	130					135					140				
Leu	Thr	Ser	Trp	Ile	Leu	Gly	Val	Leu	Leu	Ala	Leu	Val	His	Leu	Val
145					150					155					160
Leu	Leu	Leu	Pro	Leu	Pro	Phe	Cys	Gly	Ser	Gln	Lys	Val	Asn	His	Phe
				165					170					175	
Phe	Cys	Glu	Ile	Ile	Ala	Val	Leu	Lys	Leu	Ala	Cys	Ser	Asp	Thr	Arg
			180					185					190		
Ile	Asn	Glu	Leu	Met	Val	Leu	Ala	Gly	Ala	Val	Ser	Val	Leu	Val	Gly
		195					200					205			
Pro	Phe	Ser	Ser	Ile	Val	Val	Ser	Tyr	Ala	His	Ile	Leu	Cys	Ala	Ile
	210					215					220				
Leu	Lys	Ile	Lys	Ser	Gln	Gln	Gly	Arg	Gln	Lys	Ala	Phe	Ser	Thr	Cys
225					230					235					240
Ser	Ser	His	Leu	Cys	Val	Val	Gly	Leu	Phe	Tyr	Gly	Thr	Ala	Ile	Val
				245					250					255	
Met	Tyr	Ile	Gly	Pro	Gln	His	Gly	Lys	Ser	Asn	Glu	Gln	Lys	Lys	Tyr
			260					265					270		
Leu	Leu	Leu	Phe	His	Ser	Leu	Phe	Asn	Pro	Met	Leu	Asn	Pro	Leu	Ile
		275					280					285			
Tyr	Ser	Leu	Arg	Asn	Lys	Glu	Val	Lys	Ser	Ala	Leu	Lys	Arg	Thr	Leu
		290				295						300			
Leu	Lys	Glu	Asp	Thr	Ser										
305					310										

<210> 1438
 <211> 313
 <212> PRT
 <213> Mus musculus

<400> 1438

Met	Lys	Arg	Asp	Asn	Ala	Thr	Trp	Val	Ser	Glu	Phe	Ile	Leu	Met	Gly
1				5					10					15	
Leu	Ser	Ser	Asp	Lys	His	Ile	Gln	Ala	Gly	Leu	Phe	Val	Leu	Phe	Gly
			20					25					30		
Val	Ile	Tyr	Leu	Leu	Thr	Leu	Leu	Gly	Asn	Gly	Leu	Ile	Val	Leu	Leu
		35					40					45			
Ile	Ala	Leu	Asp	Pro	Arg	Leu	His	Leu	Pro	Met	Tyr	Phe	Phe	Leu	Cys
	50					55					60				
His	Leu	Ser	Val	Val	Asp	Ile	Cys	Tyr	Thr	Ser	Ser	Gly	Val	Pro	Gln
65					70					75					80
Met	Leu	Ala	His	Phe	Leu	Met	Glu	Lys	Lys	Thr	Ile	Ser	Phe	Ala	Leu
				85					90					95	
Cys	Gly	Thr	Gln	Leu	Phe	Phe	Ala	Leu	Thr	Leu	Gly	Gly	Thr	Glu	Phe
			100					105					110		
Leu	Leu	Leu	Ala	Ala	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Val	Cys	Asn
		115					120					125			
Pro	Leu	Arg	Tyr	Thr	Val	Val	Met	Asn	Pro	Arg	Leu	Cys	Met	Gly	Leu
	130					135					140				
Ala	Gly	Val	Ser	Trp	Phe	Val	Gly	Val	Val	Asn	Ser	Ala	Val	Glu	Thr
145					150					155					160
Ala	Val	Thr	Met	Ser	Leu	Pro	Thr	Cys	Gly	His	Asn	Val	Leu	Asn	His
				165					170					175	
Val	Ala	Cys	Glu	Thr	Leu	Ala	Leu	Val	Arg	Leu	Ala	Cys	Val	Asp	Ile
			180					185					190		
Thr	Leu	Asn	Gln	Val	Val	Ile	Leu	Ala	Ser	Ser	Val	Val	Val	Leu	Leu
		195					200					205			
Val	Pro	Cys	Ser	Leu	Val	Ser	Leu	Ser	Tyr	Ala	His	Ile	Val	Ala	Ala
	210					215					220				
Ile	Met	Lys	Ile	Arg	Ser	Thr	Gln	Gly	Arg	Arg	Lys	Ala	Phe	Glu	Thr
225					230					235					240
Cys	Ala	Ser	His	Leu	Thr	Val	Val	Ser	Met	Ser	Tyr	Gly	Met	Ala	Leu
				245					250					255	
Phe	Thr	Tyr	Met	Gln	Pro	Arg	Ser	Thr	Ala	Ser	Ala	Glu	Gln	Asp	Lys
			260					265					270		
Leu	Val	Val	Leu	Phe	Tyr	Ala	Val	Val	Thr	Pro	Met	Leu	Asn	Pro	Leu
			275				280					285			
Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Val	Lys	Ala	Ala	Phe	Ser	Arg	Val
	290				295						300				
Leu	Met	Lys	Asn	Ile	Glu	Ser	Lys	Asn							
305					310										

<210> 1439

<211> 317

<212> PRT

<213> Mus musculus

<400> 1439

Met	Glu	Thr	Asn	Asn	Glu	Thr	Gln	Leu	His	Glu	Phe	Ile	Leu	Leu	Gly
1				5					10					15	
Leu	Ser	Ser	Asp	Trp	Asp	Ser	Gln	Val	Ser	Leu	Phe	Val	Leu	Phe	Leu
			20					25					30		
Leu	Met	Tyr	Leu	Val	Thr	Val	Leu	Gly	Asn	Phe	Leu	Ile	Ile	Val	Leu
		35					40					45			
Ile	Arg	Leu	Asp	Ser	Arg	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Thr
	50					55					60				
Asn	Leu	Ser	Leu	Val	Asp	Ala	Ser	Tyr	Ala	Thr	Ser	Ile	Val	Pro	Gln
65					70					75					80
Leu	Leu	Ala	His	Phe	Leu	Ala	Thr	His	Lys	Ala	Ile	Pro	Phe	Leu	Ser

				85					90					95			
Cys	Ala	Ala	Gln	Leu	Phe	Phe	Ser	Leu	Gly	Leu	Gly	Gly	Ile	Glu	Phe		
			100					105					110				
Leu	Leu	Leu	Ala	Val	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Val	Cys	Asp		
		115					120					125					
Pro	Leu	Arg	Tyr	Ser	Val	Ile	Met	His	Ala	Gly	Leu	Cys	Thr	Arg	Leu		
	130					135					140						
Val	Ile	Thr	Ser	Trp	Val	Ser	Gly	Ser	Ile	Asn	Ser	Leu	Val	His	Thr		
145				150						155					160		
Ala	Ile	Thr	Phe	Gln	Leu	Pro	Met	Cys	Thr	Asn	Lys	Tyr	Ile	Asp	His		
			165						170					175			
Ile	Ala	Cys	Glu	Thr	Leu	Ala	Val	Val	Arg	Leu	Ala	Cys	Val	Asp	Thr		
		180						185					190				
Ser	Ser	Asn	Lys	Ile	Ala	Ile	Met	Val	Ser	Ser	Ile	Val	Leu	Leu	Met		
		195					200					205					
Thr	Pro	Phe	Phe	Leu	Val	Leu	Leu	Ser	Tyr	Ile	Gln	Ile	Ile	Ser	Thr		
	210					215					220						
Ile	Leu	Lys	Ile	Gln	Ser	Thr	Glu	Gly	Arg	Trp	Lys	Ala	Phe	His	Thr		
225				230					235						240		
Cys	Ala	Ser	His	Leu	Thr	Met	Val	Val	Leu	Cys	Tyr	Gly	Met	Ala	Ile		
			245						250					255			
Phe	Thr	Tyr	Ile	Gln	Pro	His	Ser	Ser	Pro	Ser	Val	Leu	Gln	Glu	Lys		
		260						265					270				
Leu	Met	Ser	Leu	Phe	Tyr	Ala	Ile	Leu	Thr	Pro	Met	Leu	Asn	Pro	Met		
		275					280					285					
Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Glu	Val	Lys	Gly	Ala	Trp	Gln	Lys	Leu		
	290				295					300							
Leu	Gly	Lys	Phe	Ser	Gly	Phe	Ala	Ser	Lys	Leu	Ala	Thr					
305					310					315							

<210> 1440

<211> 304

<212> PRT

<213> Mus musculus

<400> 1440

Met	Ala	Arg	Glu	Asn	Asn	Val	Thr	Glu	Leu	Ile	Ile	Thr	Gly	Leu	Phe		
1				5					10					15			
Gln	Asp	Pro	Asn	Val	Gln	Lys	Val	Cys	Phe	Val	Leu	Phe	Leu	Pro	Val		
			20					25				30					
Tyr	Leu	Ala	Thr	Val	Leu	Gly	Asn	Gly	Leu	Ile	Val	Ala	Met	Val	Ile		
		35				40						45					
Val	Ser	Lys	Ser	Leu	His	Ser	Pro	Met	Tyr	Ile	Phe	Leu	Ser	Ser	Leu		
	50					55					60						
Ser	Leu	Val	Glu	Ile	Cys	Tyr	Ser	Ser	Thr	Val	Val	Pro	Lys	Phe	Ile		
65				70					75					80			
Thr	Asp	Leu	Leu	Ala	Lys	Val	Lys	Thr	Ile	Ser	Leu	Lys	Gly	Cys	Leu		
			85					90					95				
Ala	Gln	Ile	Phe	Phe	Phe	His	Phe	Leu	Gly	Val	Ala	Glu	Ile	Phe	Leu		
		100						105					110				
Leu	Val	Val	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Lys	Pro	Leu		
		115				120						125					
His	Tyr	Met	Asn	Ile	Met	Ser	Arg	Gln	Val	Cys	His	Val	Leu	Val	Ala		
	130				135						140						
Val	Ser	Trp	Leu	Gly	Gly	Phe	Leu	His	Ser	Ile	Ile	Gln	Val	Leu	Ile		
145				150						155					160		
Ser	Ile	Gln	Leu	Pro	Phe	Cys	Gly	Pro	Asn	Val	Ile	Asp	His	Tyr	Phe		
			165					170						175			

Cys	Asp	Leu	Gln	Pro	Leu	Phe	Lys	Leu	Ala	Cys	Thr	Asp	Thr	Phe	Val
			180					185					190		
Glu	Ser	Val	Ile	Val	Met	Ala	Asn	Ser	Gly	Leu	Ile	Ala	Leu	Cys	Ser
		195					200					205			
Phe	Leu	Val	Leu	Val	Ser	Ser	Tyr	Val	Ile	Ile	Leu	Val	Asn	Leu	Arg
		210					215					220			
Lys	His	Ser	Ala	Glu	Gly	Arg	Arg	Lys	Ala	Leu	Ser	Thr	Cys	Ala	Ser
225					230					235					240
His	Ile	Thr	Val	Val	Val	Leu	Phe	Phe	Gly	Pro	Ala	Ile	Phe	Leu	Tyr
				245					250					255	
Met	Arg	Pro	Ser	Ser	Thr	Phe	Thr	Glu	Asp	Lys	Leu	Val	Ala	Val	Phe
			260					265					270		
Tyr	Thr	Val	Ile	Thr	Pro	Met	Leu	Asn	Pro	Ile	Ile	Tyr	Thr	Leu	Arg
		275					280					285			
Asn	Ala	Glu	Val	Lys	Asn	Ala	Val	Arg	Lys	Leu	Trp	Gly	Lys	Arg	Ile
		290				295					300				

<210> 1441

<211> 305

<212> PRT

<213> Mus musculus

<400> 1441

Met	Ala	Asn	Lys	Asn	Asn	Val	Thr	Glu	Leu	Ile	Phe	Thr	Gly	Leu	Phe
1				5					10					15	
Gln	Asp	Pro	Glu	Val	Gln	Lys	Val	Cys	Phe	Val	Leu	Phe	Leu	Pro	Val
			20					25					30		
Tyr	Leu	Ala	Thr	Leu	Leu	Gly	Asn	Ser	Leu	Ile	Leu	Val	Ala	Val	Ser
		35				40						45			
Ile	Ser	Lys	Thr	Leu	His	Ser	Pro	Met	Tyr	Phe	Phe	Leu	Ser	Ser	Leu
		50				55					60				
Ser	Leu	Val	Glu	Ile	Cys	Tyr	Ser	Ser	Thr	Ile	Val	Pro	Lys	Phe	Ile
65					70					75					80
Thr	Asp	Leu	Leu	Ala	Lys	Val	Lys	Thr	Ile	Ser	Leu	Lys	Gly	Cys	Leu
				85					90					95	
Thr	Gln	Ile	Phe	Phe	Ser	His	Phe	Phe	Gly	Val	Val	Glu	Val	Ile	Leu
			100					105					110		
Leu	Val	Val	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Lys	Pro	Leu
		115					120					125			
His	Tyr	Met	Asn	Ile	Met	Ser	Arg	Gln	Val	Cys	His	Met	Leu	Val	Ala
		130				135					140				
Gly	Ser	Trp	Leu	Gly	Gly	Phe	Ile	His	Ser	Ile	Ile	Gln	Ile	Ile	Ile
145					150					155					160
Thr	Ile	Pro	Leu	Pro	Phe	Cys	Gly	Pro	Asn	Val	Ile	Asp	His	Tyr	Phe
				165					170					175	
Cys	Asp	Leu	Gln	Gln	Leu	Phe	Lys	Leu	Ala	Cys	Thr	Asp	Thr	Phe	Met
			180					185					190		
Glu	Gly	Phe	Ile	Val	Met	Ala	Asn	Ser	Gly	Leu	Ile	Ser	Ile	Val	Ser
		195					200					205			
Leu	Phe	Ile	Leu	Val	Ser	Ser	Tyr	Ala	Val	Ile	Leu	Ile	Ser	Leu	Arg
		210				215						220			
Lys	Arg	Ser	Ala	Glu	Gly	Arg	Arg	Lys	Ala	Leu	Ser	Thr	Cys	Ala	Ser
225					230					235					240
His	Ile	Thr	Val	Val	Ile	Leu	Phe	Phe	Val	Pro	Gly	Ala	Phe	Ile	Tyr
				245					250					255	
Met	Arg	Pro	Ser	Ser	Thr	Phe	Thr	Glu	Asp	Lys	Leu	Val	Ser	Val	Phe
			260					265					270		
Tyr	Thr	Val	Ile	Thr	Pro	Met	Leu	Asn	Pro	Ile	Val	Tyr	Thr	Leu	Arg

	275		280		285
Asn Thr Glu Met Lys Asn Ala Ile Arg Met Ser Trp Lys Gln Lys Asp					
290		295		300	
Ser					
305					

<210> 1442
 <211> 306
 <212> PRT
 <213> Mus musculus

<400> 1442

Met Glu Pro Arg Asn Asn Val Thr Tyr Phe Val Leu Leu Gly Leu Ser														
1				5				10					15	
Glu Asn Pro Lys Val Gln Lys Gly Leu Phe Val Leu Phe Leu Leu Ser														
			20				25					30		
Tyr Val Leu Thr Met Val Gly Asn Leu Leu Ile Val Met Thr Val Thr														
			35			40				45				
Thr Ser Asn Ser Leu Gly Ser Pro Met Tyr Phe Phe Leu Ala Ser Leu					55					60				
50														
Ser Phe Val Asp Ile Ile Tyr Ser Ser Ala Ile Ser Pro Lys Leu Ile					70			75						80
65														
Ser Asp Leu Phe Phe Gly Gln Asn Thr Ile Ser Phe Lys Phe Cys Met								90					95	
			85											
Thr Gln Leu Phe Thr Glu His Phe Phe Gly Gly Ser Glu Val Phe Leu							105					110		
			100											
Leu Leu Val Met Ala Tyr Asp Arg Tyr Val Ala Ile Cys Lys Pro Leu							120					125		
115														
His Tyr Ser Thr Ile Met Lys Gln Trp Val Cys Val Val Leu Leu Ile						135					140			
130														
Leu Ser Trp Ile Gly Gly Phe Leu His Ser Val Ile Gln Leu Ser Thr					150				155					160
145														
Ile Tyr Gly Leu Pro Phe Cys Gly Pro Asn Ile Ile Asp His Phe Met					165			170					175	
Cys Asp Met Tyr Pro Leu Leu Lys Leu Val Cys Ile Asp Thr Tyr Val							185					190		
			180											
Ile Gly Leu Leu Val Met Ala Asn Gly Gly Leu Ile Cys Thr Val Val						200					205			
195														
Phe Ile Leu Leu Leu Ile Ser Tyr Gly Val Ile Leu Tyr Ser Leu Lys					215					220				
210														
Asn Leu Asn Gln Glu Gly Arg Trp Lys Ala Leu Ser Thr Cys Gly Ser					230				235					240
225														
His Ile Thr Val Val Val Ser Phe Phe Val Pro Cys Ile Phe Met Tyr					245			250					255	
Ala Arg Pro Ala Lys Thr Phe Pro Ile Asp Lys Met Leu Ser Val Phe					260			265				270		
Tyr Thr Val Ile Thr Pro Met Met Asn Pro Leu Ile Tyr Thr Leu Arg						280					285			
			275											
Asn Ser Glu Met Thr Asn Ala Met Lys Lys Leu Trp Arg Arg Lys Ile					295						300			
290														
Ile Ser														
305														

<210> 1443
 <211> 309
 <212> PRT
 <213> Mus musculus

<400> 1443

```
Met Glu Asn Gln Asn Asn Val Thr Glu Phe Ile Leu Leu Gly Leu Thr
 1      5      10      15
Glu Asn Pro Lys Met Gln Lys Ile Val Phe Ile Met Phe Phe Leu Ile
 20      25      30
Tyr Ile Ile Ser Ile Thr Gly Asn Val Leu Ile Val Val Thr Ile Thr
 35      40      45
Ser Thr Ser Leu Leu Glu Ser Pro Met Tyr Phe Phe Leu Ala Tyr Leu
 50      55      60
Ser Phe Ile Asp Ala Cys Tyr Ser Ser Val Ser Thr Pro Lys Leu Ile
 65      70      75      80
Ala Asp Ser Leu Cys Glu Lys Lys Thr Ile Pro Phe Asn Gly Cys Met
 85      90      95
Thr Gln Ile Phe Gly Glu His Leu Phe Gly Gly Ala Glu Ile Ile Leu
100      105      110
Leu Thr Val Met Ala Tyr Asp Arg Tyr Val Ala Ile Cys Lys Pro Leu
115      120      125
His Tyr Ala Thr Ile Met Ser Arg Arg Leu Cys Ser Leu Leu Val Gly
130      135      140
Val Ser Trp Leu Gly Gly Phe Leu His Ala Thr Ile Gln Ile Leu Phe
145      150      155      160
Ile Phe Gln Leu Pro Phe Cys Gly Pro Asn Ile Ile Asp His Phe Met
165      170      175
Cys Asp Leu Asn Pro Leu Leu Asn Leu Val Cys Thr Asp Thr His Thr
180      185      190
Leu Gly Ile Phe Val Ala Ala Asn Ser Gly Phe Ile Cys Leu Leu Asn
195      200      205
Phe Leu Leu Leu Leu Val Ser Tyr Val Ala Ile Leu Arg Ser Leu Lys
210      215      220
Asn His Ser Ala Glu Gly Arg Arg Lys Ala Leu Ser Thr Cys Ile Ser
225      230      235      240
His Ile Thr Val Val Val Leu Phe Phe Val Pro Cys Ile Phe Val Tyr
245      250      255
Met Arg Pro Val Ala Thr Leu Pro Ile Asp Lys Ala Val Ala Met Phe
260      265      270
Tyr Thr Met Ile Thr Pro Met Leu Asn Pro Leu Ile Tyr Thr Leu Arg
275      280      285
Asn Ala Gln Met Lys Asp Ala Ile Lys Lys Leu Gly Ser Thr Lys Ile
290      295      300
Leu Ser Ser Asn Lys
305
```

<210> 1444

<211> 310

<212> PRT

<213> Mus musculus

<400> 1444

```
Met Lys Gln Ile Asn Asn Val Thr Glu Phe Ile Leu Leu Gly Leu Thr
 1      5      10      15
Gln Asn Pro Asp Val Gln Lys Leu Leu Leu Val Ile Phe Ala Leu Ile
 20      25      30
Tyr Ser Leu Thr Leu Ile Gly Asn Leu Leu Ile Ile Val Thr Val Ile
 35      40      45
Ser Ser Pro Thr Leu Gly Ser Pro Met Tyr Phe Phe Leu Ser Phe Leu
 50      55      60
Ser Phe Val Asp Gly Cys Cys Ser Ser Thr Met Ala Pro Lys Met Ile
```


65					70					75				80
Phe	Asp	Leu	Leu	Ala	Glu	Arg	Lys	Thr	Ile	Ser	Phe	Asn	Gly	Cys
				85					90				95	
Thr	Gln	Ile	Phe	Ala	Glu	His	Phe	Phe	Gly	Gly	Val	Glu	Ile	Leu
			100					105					110	
Leu	Thr	Ala	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Lys	Pro
		115					120					125		
His	Tyr	Met	Ile	Thr	Met	Asn	Arg	Arg	Val	Cys	Gly	Phe	Leu	Ser
	130					135					140			
Thr	Ala	Trp	Ala	Gly	Gly	Phe	Leu	His	Ala	Leu	Ile	Gln	Ile	Phe
145				150					155					160
Met	Val	Trp	Leu	Pro	Phe	Cys	Gly	Pro	Asn	Ile	Ile	Asp	His	Phe
			165					170					175	
Cys	Asp	Leu	Phe	Pro	Leu	Leu	Lys	Leu	Ser	Cys	Thr	Asp	Asn	His
		180						185					190	
Phe	Gly	Leu	Phe	Val	Ala	Ala	Asn	Ser	Gly	Leu	Met	Cys	Met	Leu
	195						200					205		
Phe	Ser	Ile	Leu	Leu	Thr	Ser	Tyr	Val	Leu	Ile	Phe	Cys	Ser	Lys
	210					215					220			
Thr	His	Ser	Thr	Glu	Glu	Gln	Leu	Lys	Ala	Leu	Ser	Thr	Cys	Ala
225				230					235					240
His	Ile	Thr	Val	Val	Leu	Leu	Phe	Phe	Val	Pro	Cys	Ile	Phe	Tyr
			245						250				255	
Leu	Arg	Pro	Met	Val	Ile	Phe	Pro	Phe	Asp	Lys	Ala	Val	Ala	Phe
			260					265				270		
Tyr	Thr	Val	Ile	Thr	Pro	Met	Leu	Asn	Pro	Leu	Ile	Tyr	Thr	Arg
		275					280					285		
Asn	Thr	Glu	Val	Lys	Asn	Ala	Met	Arg	Lys	Leu	Trp	Asn	Gln	Lys
	290				295						300			
Pro	Gly	Lys	Arg	Phe	Thr									
305					310									

<210> 1445
 <211> 308
 <212> PRT
 <213> Mus musculus

<400> 1445														
Met	Ala	Asn	Lys	Asn	Asn	Ile	Thr	Glu	Leu	Ile	Phe	Thr	Gly	Leu
1				5					10				15	
Gln	Asp	Pro	Glu	Val	Gln	Lys	Val	Cys	Phe	Val	Leu	Phe	Leu	Pro
		20						25				30		
Tyr	Leu	Ala	Thr	Leu	Leu	Gly	Asn	Ser	Leu	Ile	Val	Val	Ala	Ser
		35				40					45			
Ile	Ser	Lys	Thr	Leu	His	Ser	Pro	Met	Tyr	Phe	Phe	Leu	Ser	Leu
	50					55				60				
Ser	Leu	Val	Glu	Ile	Cys	Tyr	Ser	Ser	Thr	Ile	Val	Pro	Lys	Phe
65				70					75					80
Thr	Asp	Leu	Leu	Val	Lys	Val	Lys	Thr	Ile	Ser	Leu	Lys	Gly	Cys
			85					90					95	
Ala	Gln	Ile	Phe	Phe	Ser	His	Phe	Leu	Gly	Val	Ala	Glu	Ile	Leu
		100					105					110		
Leu	Val	Val	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Lys	Pro
		115				120						125		
His	Tyr	Met	Asn	Ile	Met	Ser	Arg	Gln	Val	Cys	His	Met	Leu	Gly
	130				135					140				
Gly	Ser	Trp	Leu	Gly	Gly	Leu	Ile	His	Ser	Ile	Ile	Gln	Ile	Ile
145				150					155					160

Thr	Ile	Pro	Leu	Pro	Phe	Cys	Gly	Pro	Asn	Val	Ile	Asp	His	Tyr	Phe	
				165					170					175		
Cys	Asp	Leu	Gln	Pro	Leu	Phe	Lys	Leu	Ala	Cys	Thr	Asp	Thr	Phe	Met	
		180						185					190			
Glu	Gly	Val	Val	Val	Met	Ala	Asn	Ser	Gly	Leu	Ile	Ser	Ile	Ile	Ser	
		195					200					205				
Leu	Phe	Ile	Leu	Val	Ser	Ser	Tyr	Ala	Ile	Ile	Leu	Ile	Ser	Leu	Arg	
	210					215					220					
Lys	His	Ser	Ala	Glu	Gly	Arg	Arg	Lys	Ala	Leu	Ser	Thr	Cys	Ala	Ser	
225					230					235					240	
His	Ile	Thr	Val	Val	Ile	Leu	Phe	Phe	Gly	Pro	Ala	Thr	Phe	Leu	Tyr	
				245					250					255		
Leu	Arg	Pro	Ser	Ser	Ser	Phe	Thr	Glu	Asp	Lys	Leu	Val	Ala	Val	Phe	
			260					265					270			
Tyr	Thr	Val	Ile	Thr	Pro	Met	Leu	Asn	Pro	Ile	Ile	Tyr	Thr	Leu	Arg	
		275					280					285				
Asn	Ala	Glu	Val	Lys	Asn	Ala	Met	Lys	Lys	Leu	Trp	Gly	Lys	Arg	Asn	
	290					295					300					
Pro	Glu	Thr	Glu													
305																

<210> 1446

<211> 309

<212> PRT

<213> Mus musculus

<400> 1446

Met	Ala	Ala	Ala	Ser	Asn	Val	Thr	Glu	Ile	Ile	Phe	Leu	Gly	Leu	Ser	
1				5					10					15		
Gln	Tyr	Gln	His	Val	Gln	Lys	Val	Ile	Phe	Val	Met	Phe	Leu	Leu	Met	
			20					25				30				
Tyr	Thr	Ala	Ile	Val	Leu	Gly	Asn	Gly	Leu	Ile	Val	Val	Thr	Ile	Val	
		35					40					45				
Ala	Ser	Lys	Gly	Leu	Ser	Ser	Pro	Met	Tyr	Phe	Phe	Leu	Gly	Tyr	Leu	
	50					55					60					
Ser	Phe	Val	Glu	Val	Cys	Tyr	Cys	Ser	Val	Thr	Ala	Pro	Lys	Leu	Ile	
65					70					75					80	
Phe	Asp	Ser	Leu	Leu	Gln	Arg	Lys	Ala	Ile	Ser	Leu	Gln	Gly	Cys	Ile	
			85						90					95		
Thr	Gln	Ile	Phe	Phe	Leu	His	Phe	Phe	Gly	Gly	Thr	Glu	Ile	Phe	Leu	
			100					105					110			
Leu	Thr	Val	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Lys	Pro	Leu	
		115					120					125				
His	Tyr	Val	Thr	Ile	Met	Asn	Arg	Arg	Val	Cys	Gly	Leu	Leu	Val	Gly	
	130					135					140					
Ala	Ala	Trp	Ser	Gly	Gly	Leu	Leu	His	Ser	Ala	Gly	Gln	Thr	Phe	Leu	
145					150					155					160	
Ile	Phe	Gln	Leu	Pro	Phe	Cys	Gly	Pro	Asn	Ile	Ile	Asn	His	Tyr	Phe	
				165					170					175		
Cys	Asp	Val	His	Pro	Val	Leu	Lys	Leu	Ala	Cys	Ser	Asp	Thr	Phe	Leu	
			180					185					190			
Ile	Ser	Leu	Leu	Val	Ile	Ile	Asn	Gly	Gly	Ser	Ile	Ser	Val	Ile	Ser	
		195					200					205				
Phe	Ala	Val	Leu	Leu	Ala	Ser	Tyr	Val	Val	Ile	Leu	Asn	Ser	Leu	Arg	
	210					215					220					
Ser	His	Thr	Ala	Glu	Gly	Arg	His	Lys	Ala	Leu	Ser	Thr	Cys	Ala	Ser	
225					230					235					240	
His	Leu	Ala	Val	Val	Gly	Leu	Phe	Phe	Ile	Pro	Cys	Ser	Phe	Val	Tyr	

<210> 1448
 <211> 310
 <212> PRT
 <213> Mus musculus

<400> 1448

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Met Asn Asp Thr Glu His Met Glu Asn Lys Arg Asn Val Thr Glu Phe
 1      5      10      15
Ile Leu Ile Gly Leu Thr Gln Asn Pro Gln Met Gln Lys Val Val Phe
      20      25      30
Val Thr Phe Leu Leu Leu Tyr Met Ile Thr Ile Ser Gly Asn Leu Leu
      35      40      45
Ile Val Val Thr Ile Ile Asn Ser Gln Ala Leu Asn Ser Pro Met Tyr
      50      55      60
Phe Phe Leu Ser His Leu Ser Leu Ile Asp Thr Ile Tyr Thr Ser Ser
      65      70      75      80
Ser Ala Pro Lys Leu Ile Ala Asp Ser Leu Gln Glu Asn Lys Val Ile
      85      90      95
Ser Phe Asn Gly Cys Met Ala Gln Val Tyr Ala Glu His Ile Phe Gly
      100      105      110
Ala Thr Glu Ile Ile Leu Leu Thr Val Met Ala Tyr Asp Arg Tyr Val
      115      120      125
Ala Ile Cys Lys Pro Leu His Tyr Met Thr Ile Met Ser His Lys Leu
      130      135      140
Cys Ile Leu Leu Val Gly Val Ala Trp Thr Gly Gly Phe Leu His Ala
      145      150      155      160
Thr Ile Gln Ile Leu Phe Thr Val Trp Leu Pro Phe Cys Gly Pro Asn
      165      170      175
Ile Ile Asp His Phe Met Cys Asp Leu Tyr Pro Leu Leu Glu Leu Val
      180      185      190
Cys Met Asp Thr His Thr Leu Gly Leu Phe Val Ala Ala Asn Ser Gly
      195      200      205
Phe Ile Cys Leu Phe Asn Phe Leu Leu Leu Met Gly Ser Tyr Val Ile
      210      215      220
Ile Leu Arg Ser Leu Lys Asn Tyr Ser Leu Glu Gly Arg Arg Lys Ala
      225      230      235      240
Leu Ser Thr Cys Val Ser His Ile Thr Val Val Val Leu Ser Phe Ile
      245      250      255
Pro Cys Ile Phe Val Tyr Leu Arg Pro Val Thr Thr Leu Pro Ile Asp
      260      265      270
Lys Ala Val Ala Val Phe Tyr Thr Leu Val Ala Pro Leu Leu Asn Pro
      275      280      285
Leu Ile Tyr Thr Leu Arg Asn Ser Glu Val Lys Asn Ala Ile Lys Lys
      290      295      300
Leu Trp Arg Lys Lys Ile
      305      310

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<210> 1449
 <211> 301
 <212> PRT
 <213> Mus musculus

<400> 1449

```

Met Asn Asn Ile Thr Glu Phe Ile Leu Val Gly Leu Thr Gln Asn Met
 1      5      10      15
Glu Leu Gln Ile Phe Ser Phe Val Val Phe Phe Ile Val Tyr Leu Leu
      20      25      30
Thr Leu Ala Gly Asn Leu Leu Ile Met Val Thr Ile Ser Ser Ser Lys

```


Ser Trp Leu Gly Gly Leu Ile His Ser Ile Ile Gln Ile Val Ile Thr
 145 150 155 160
 Ile Pro Leu Pro Phe Cys Gly Pro Asn Val Ile Asp His Tyr Phe Cys
 165 170 175
 Asp Leu Gln Pro Leu Phe Lys Leu Ala Cys Thr Asp Thr Phe Met Glu
 180 185 190
 Gly Val Val Val Met Ala Asn Ser Gly Leu Ile Ser Ile Ile Ser Leu
 195 200 205
 Phe Ile Leu Val Ser Ser Tyr Ala Ile Ile Leu Ile Ser Leu Arg Lys
 210 215 220
 His Ser Ala Glu Gly Arg Arg Lys Ala Leu Ser Thr Cys Ala Ser His
 225 230 235 240
 Ile Thr Val Val Ile Leu Phe Phe Gly Pro Ala Thr Phe Leu Tyr Leu
 245 250 255
 Arg Pro Ser Ser Ser Phe Thr Glu Asp Lys Leu Val Ala Val Phe Tyr
 260 265 270
 Thr Val Ile Thr Pro Met Leu Asn Pro Ile Ile Tyr Thr Leu Arg Asn
 275 280 285
 Ala Glu Val Lys Asn Ala Met Lys Lys Leu Trp Gly Lys Arg Asn Pro
 290 295 300
 Glu Thr Glu
 305

<210> 1451

<211> 304

<212> PRT

<213> Mus musculus

<400> 1451

Met Ser Asn Val Thr Glu Phe Ile Leu Leu Gly Leu Thr Gln Asp Pro
 1 5 10 15
 Asp Leu Gln Lys Leu Leu Phe Ile Val Cys Leu Ile Ile Tyr Leu Ile
 20 25 30
 Thr Leu Ala Gly Asn Met Leu Ile Ser Val Thr Ile Phe Ile Ser Pro
 35 40 45
 Ala Leu Ala Thr Pro Met Tyr Phe Phe Leu Ser Tyr Leu Ser Ile Ile
 50 55 60
 Asp Gly Phe Tyr Ser Ser Ser Ile Thr Pro Lys Met Ile Tyr Asp Leu
 65 70 75 80
 Ile Ser Glu Lys Ser Thr Ile Ser Phe Asn Gly Cys Met Thr Gln Leu
 85 90 95
 Phe Ala Glu His Phe Phe Ala Ala Ala Glu Ile Ile Leu Leu Ile Ser
 100 105 110
 Met Ala Tyr Asp Arg Tyr Val Ala Ile Cys Lys Pro Leu His Tyr Met
 115 120 125
 Thr Ile Met Asn Arg His Val Cys Ile Phe Leu Val Val Ala Ala Gly
 130 135 140
 Ile Val Gly Phe Val His Gly Met Ile Gln Thr Thr Phe Ile Ala Gln
 145 150 155 160
 Leu Pro Phe Cys Gly Pro Asn Ile Ile Asn His Phe Ile Cys Asp Leu
 165 170 175
 Ile Pro Leu Leu Glu Leu Ala Cys Thr Asp Thr His Thr Leu Gly Pro
 180 185 190
 Leu Ile Ala Ala Asn Ser Gly Ser Met Cys Leu Leu Ile Phe Ser Met
 195 200 205
 Leu Val Ala Ser Tyr Val Val Ile Leu Arg Ser Leu Arg Asn His Ser
 210 215 220
 Ala Glu Gly Arg Arg Lys Ala Leu Ser Thr Cys Ala Ser His Val Thr

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<210> 1452
<211> 314
<212> PRT
<213> Mus musculus
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Ser Ser Ile Val Ser Gly Leu Tyr His Ser
305 310

<210> 1453
 <211> 305
 <212> PRT
 <213> Mus musculus

<400> 1453

Met	Asn	Val	Thr	Glu	Phe	Ile	Leu	Met	Gly	Leu	Thr	Gln	Asn	Pro	Gln
1				5					10					15	
Leu	Gln	Arg	Ile	Leu	Leu	Leu	Met	Leu	Leu	Ile	Ile	Tyr	Ile	Val	Thr
			20					25					30		
Val	Thr	Gly	Asn	Leu	Leu	Ile	Val	Gly	Thr	Ile	Val	Cys	Ser	Gln	Thr
		35					40					45			
Leu	Asn	Ser	Pro	Met	Tyr	Phe	Phe	Leu	Ala	Phe	Leu	Ser	Leu	Ile	Asp
	50					55					60				
Ala	Cys	Tyr	Ser	Ser	Ser	Ile	Ile	Pro	Lys	Met	Leu	Ala	Asp	Leu	Met
65					70					75					80
Ser	Glu	Arg	Lys	Thr	Ile	Ser	Phe	His	Gly	Cys	Met	Ile	Gln	Leu	Phe
				85					90					95	
Val	Glu	His	Phe	Leu	Gly	Ala	Ser	Glu	Ile	Val	Leu	Leu	Val	Val	Met
			100					105					110		
Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Arg	Pro	Leu	His	Tyr	Val	Thr
		115					120					125			
Arg	Met	Asn	His	His	Asn	Cys	Cys	Val	Leu	Val	Gly	Val	Cys	Trp	Ile
	130					135					140				
Met	Gly	Phe	Leu	His	Ser	Phe	Gly	Gln	Ile	Leu	Val	Thr	Leu	Trp	Ile
145					150					155					160
Pro	Phe	Cys	Gly	Pro	Asn	Val	Met	Asp	His	Phe	Cys	Cys	Asp	Ile	Phe
				165					170					175	
Pro	Leu	Leu	Gln	Leu	Ala	Cys	Ala	Asp	Thr	Phe	Leu	Leu	Gly	Leu	Leu
			180					185					190		
Ile	Ala	Ala	Asn	Gly	Gly	Val	Ile	Pro	Val	Ile	Thr	Phe	Thr	Met	Leu
		195					200					205			
Leu	Met	Ser	Tyr	Ala	Val	Ile	Leu	Phe	Ser	Leu	Arg	Thr	His	Ser	Thr
	210					215					220				
Ala	Gly	Arg	Lys	Lys	Ala	Leu	Ser	Thr	Cys	Ser	Ser	His	Ile	Thr	Val
225					230					235					240
Val	Val	Leu	Phe	Phe	Val	Pro	Cys	Ile	Tyr	Thr	Tyr	Met	Arg	Pro	Val
				245					250					255	
Thr	Thr	Phe	His	Thr	Asp	Lys	Ala	Ile	Ala	Val	Phe	Tyr	Thr	Leu	Val
			260					265					270		
Thr	Pro	Met	Leu	Asn	Pro	Ile	Ile	Tyr	Thr	Val	Arg	Asn	Ala	Glu	Val
		275				280						285			
Lys	Asn	Ala	Ile	Arg	Met	Ile	Leu	Lys	Lys	Asn	Ser	Ile	Leu	Asp	Asn
	290					295					300				

Lys
305

<210> 1454
 <211> 323
 <212> PRT
 <213> Mus musculus

<400> 1454

Met	Asn	Arg	Phe	Tyr	Phe	Asn	Ile	Ser	Leu	Lys	Thr	Met	Gln	Asn	Gln
1				5					10					15	
Ser	Phe	Val	Thr	Glu	Phe	Ile	Leu	Leu	Gly	Leu	Ser	Gln	Asn	Pro	Asn
			20					25					30		
Val	Glu	Asn	Ile	Leu	Cys	Val	Val	Phe	Leu	Phe	Ile	Tyr	Leu	Ala	Thr

Leu Val Val Met Ala Tyr Asp Arg Tyr Val Ala Ile Cys Lys Pro Leu
 115 120 125
 His Tyr Leu Thr Ile Met Asn Gln Arg Val Cys Val Leu Leu Leu Leu
 130 135 140
 Leu Ala Trp Phe Gly Gly Phe Leu His Ala Val Val Gln Leu Leu Phe
 145 150 155 160
 Val Tyr Asn Leu Pro Phe Cys Gly Pro Asn Ile Ile Asp His Phe Ile
 165 170 175
 Cys Asp Met Tyr Pro Leu Leu Lys Leu Ala Cys Thr Asp Thr Tyr Val
 180 185 190
 Ile Gly Leu Thr Val Val Ala Asn Asp Gly Ala Ile Cys Val Val Ile
 195 200 205
 Phe Met Leu Leu Val Ile Ser Tyr Gly Val Ile Leu His Ser Leu Lys
 210 215 220
 Asn Leu Ser Gln Glu Gly Arg Arg Lys Ala Leu Ser Thr Cys Gly Ser
 225 230 235 240
 His Ile Thr Val Val Val Leu Phe Phe Val Pro Cys Ile Phe Met Tyr
 245 250 255
 Val Arg Pro Pro Ser Thr Leu Pro Ile Asp Lys Ser Leu Thr Val Phe
 260 265 270
 Tyr Thr Val Val Thr Pro Met Leu Asn Pro Leu Ile Tyr Thr Leu Arg
 275 280 285
 Asn Ala Glu Met Lys Asn Ala Met Arg Lys Leu Trp Ala Ser Lys Gly
 290 295 300
 Lys
 305

<210> 1456
 <211> 305
 <212> PRT
 <213> Mus musculus

<400> 1456
 Met Gly Gln Ser Tyr Asn Val Thr Glu Phe Ile Phe Val Asp Leu Thr
 1 5 10 15
 Gln Asp Pro Ala Gly Lys Lys Ala Leu Phe Val Leu Phe Ser Leu Thr
 20 25 30
 Tyr Ile Val Thr Met Leu Gly Asn Leu Leu Ile Ala Val Thr Val Ile
 35 40 45
 Ala Ser Pro Ser Leu Asn Ser Pro Met Tyr Phe Phe Leu Ala Cys Leu
 50 55 60
 Ser Val Leu Asp Ala Phe Tyr Cys Asn Thr Ile Ser Pro Asn Leu Ile
 65 70 75 80
 Ile Gly Leu Leu Lys Asp Lys Asn Asn Ile Ser Phe Arg Ala Cys Met
 85 90 95
 Leu Gln Leu Phe Val Glu His Leu Phe Gly Gly Val Glu Val Phe Leu
 100 105 110
 Leu Val Phe Met Ala Tyr Asp Arg Tyr Val Ala Ile Cys Lys Pro Leu
 115 120 125
 His Tyr Leu Thr Ile Met Asn Gln Arg Val Cys Ile Leu Leu Leu Leu
 130 135 140
 Val Ala Gly Val Gly Gly Ile Leu His Ser Leu Ile Gln Val Leu Thr
 145 150 155 160
 Val Tyr Lys Leu Pro Phe Cys Gly Pro Asn Val Ile Asp His Phe Met
 165 170 175
 Cys Asp Met Asn Pro Leu Leu Gly Leu Ala Cys Thr Asp Thr Tyr Phe
 180 185 190
 Leu Gly Ile Thr Val Ile Ala Asn Gly Gly Val Ile Cys Val Gly Ile

Asn Ser Glu Met Lys Asn Ser Ile Lys Lys Leu Trp Cys Lys Thr Leu
 290 295 300
 Thr Thr
 305

<210> 1458
 <211> 310
 <212> PRT
 <213> Mus musculus

<400> 1458
 Met Leu Asn His Ser Ser Val Thr Glu Phe Ile Leu Leu Gly Leu Ser
 1 5 10 15
 Gln Asn Ser Lys Val Glu Lys Val Leu Phe Val Ile Phe Leu Ile
 20 25 30
 Tyr Leu Ala Thr Ile Gly Gly Asn Met Ile Ile Val Val Thr Ile Ile
 35 40 45
 Tyr Ser Pro Ala Leu Leu Gly Ser Pro Met Tyr Phe Phe Leu Ile Phe
 50 55 60
 Leu Ser Phe Leu Asp Ala Cys Thr Ser Ser Thr Val Thr Pro Lys Met
 65 70 75 80
 Ile Val Asp Phe Phe Tyr Glu Lys Lys Thr Ile Ser Phe Glu Cys Cys
 85 90 95
 Met Thr Gln Leu Phe Ala Val His Phe Phe Thr Gly Met Glu Val Ile
 100 105 110
 Val Leu Ser Ala Met Ala Tyr Asp Arg Tyr Val Ala Ile Cys Lys Pro
 115 120 125
 Leu His Tyr Ser Ser Ile Met Thr Arg Arg Leu Cys Gly Ile Leu Val
 130 135 140
 Met Leu Ser Trp Ala Gly Phe Leu His Ser Ile Ile Gln Ile Ile
 145 150 155 160
 Phe Thr Leu Gln Leu Pro Phe Cys Gly Pro Asn Val Ile Asp His Tyr
 165 170 175
 Met Cys Asp Leu Phe Pro Leu Leu Lys Leu Ala Cys Thr Asp Thr His
 180 185 190
 Ile Phe Val Ile Leu Val Phe Ala Asn Ser Gly Ser Ile Cys Ile Ile
 195 200 205
 Ile Phe Ser Ile Leu Leu Val Ser Tyr Ser Val Ile Leu Phe Ser Leu
 210 215 220
 Arg Ala His Ser Ser Glu Gly Arg Arg Lys Ala Leu Ser Thr Cys Gly
 225 230 235 240
 Ser His Ile Thr Val Val Leu Leu Phe Phe Val Ser Cys Ile Leu Ile
 245 250 255
 Tyr Ala Arg Pro Ala Ala Phe Ser Ser Glu Lys Asn Ala Leu Val Phe
 260 265 270
 Ala Thr Ile Thr Pro Leu Leu Asn Pro Met Val Tyr Thr Phe Arg
 275 280 285
 Asn Arg Glu Met Lys Asn Ala Ile Arg Lys Leu Trp Lys Arg Trp Lys
 290 295 300
 Val Val Ser Gly Asp Ile
 305 310

<210> 1459
 <211> 314
 <212> PRT
 <213> Mus musculus

<400> 1459

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Met Gly Glu Thr Asn Asn Val Thr Glu Phe Val Leu Leu Gly Leu Thr
 1          5          10          15
Gln Asp Pro Thr Gly Gln Lys Ala Leu Phe Val Met Phe Leu Leu Val
 20          25          30
Tyr Ile Val Thr Ile Val Gly Asn Leu Leu Ile Val Gly Thr Val Ile
 35          40          45
Ala Ser Pro Ser Leu Asn Ser Pro Met Tyr Phe Phe Leu Ala Phe Leu
 50          55          60
Ser Leu Met Asp Ala Val Tyr Ser Thr Ala Ile Leu Pro Lys Leu Leu
 65          70          75          80
Lys Asp Leu Val Cys Asp Lys Lys Thr Ile Ser Phe Thr Ala Cys Leu
 85          90          95
Val Gln Leu Phe Val Glu His Leu Phe Gly Gly Ala Glu Val Phe Leu
100          105          110
Leu Val Val Met Ala Tyr Asp Arg Tyr Val Ala Ile Cys Lys Pro Leu
115          120          125
His Tyr Leu Thr Val Met Asn Gln Gln Val Cys Ile Ser Leu Leu Val
130          135          140
Val Ala Trp Val Gly Gly Phe Ala His Ala Leu Val Gln Val Leu Ser
145          150          155          160
Val Tyr Lys Leu Pro Phe Cys Gly Pro Asn Val Ile Asp His Phe Gly
165          170          175
Cys Asp Met Tyr Pro Leu Leu Ala Leu Val Cys Thr Asp Thr Tyr Phe
180          185          190
Ile Gly Leu Thr Val Val Ala Asn Asn Gly Ala Met Cys Met Val Val
195          200          205
Phe Val Leu Leu Leu Phe Ser Tyr Gly Ile Ile Leu Ser Ser Leu Lys
210          215          220
Thr His Ser Gln Glu Gly Arg Arg Lys Ala Leu Ser Thr Cys Ser Ser
225          230          235          240
His Ile Met Val Val Leu Phe Phe Val Pro Cys Ile Phe Met Tyr
245          250          255
Val Arg Pro Val Ser Asn Phe Pro Ile Asp Lys Ser Ile Ser Val Phe
260          265          270
Tyr Thr Ala Ile Thr Pro Met Leu Asn Pro Leu Ile Tyr Thr Leu Arg
275          280          285
Asn Ser Glu Ile Lys Asn Ser Met Gly Lys Leu Trp Ser Lys Met Ile
290          295          300
Ser Ile Asp Arg Val Arg Ile Phe Ala Tyr
305          310
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<210> 1460

<211> 314

<212> PRT

<213> Mus musculus

<400> 1460

```
Met Gly Gln Asn Asn Asn Val Thr Glu Phe Ile Leu Leu Gly Leu Thr
 1          5          10          15
Gln Asp Pro Ala Gly Gln Lys Val Leu Phe Ile Met Phe Leu Leu Ile
 20          25          30
Tyr Ile Val Thr Ile Val Gly Asn Leu Leu Ile Val Gly Thr Val Ile
 35          40          45
Ala Ser Pro Ser Leu Gly Ser Pro Met Tyr Phe Phe Leu Ala Phe Leu
 50          55          60
Ser Leu Met Asp Ala Val Tyr Ser Thr Ala Ile Leu Pro Lys Leu Leu
 65          70          75          80
```

Thr	Asp	Leu	Leu	Cys	Asp	Lys	Lys	Thr	Ile	Ser	Phe	Thr	Ala	Cys	Leu	
				85					90					95		
Val	Gln	Leu	Phe	Val	Glu	His	Leu	Phe	Gly	Gly	Ser	Glu	Val	Phe	Ile	
			100					105					110			
Leu	Val	Val	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Lys	Pro	Leu	
		115					120					125				
His	Tyr	Leu	Thr	Ile	Met	Asn	Arg	Gln	Val	Cys	Ile	Leu	Leu	Leu	Val	
	130					135					140					
Val	Ser	Trp	Ala	Gly	Gly	Phe	Ala	His	Ala	Leu	Leu	Gln	Val	Ile	Ser	
145				150						155					160	
Val	Tyr	Leu	Leu	Pro	Phe	Cys	Gly	Pro	Asn	Val	Ile	Asp	His	Phe	Ala	
				165					170					175		
Cys	Asp	Met	Tyr	Pro	Leu	Leu	Gly	Leu	Ala	Cys	Thr	Asp	Thr	Tyr	Phe	
		180						185					190			
Leu	Gly	Leu	Thr	Val	Val	Gly	Asn	Asn	Gly	Ala	Met	Ser	Ile	Val	Val	
	195						200					205				
Phe	Ile	Leu	Leu	Leu	Val	Ser	Tyr	Gly	Ile	Ile	Leu	Asn	Ser	Leu	Lys	
	210					215					220					
Thr	His	Ser	Gln	Glu	Gly	Arg	Arg	Lys	Ala	Leu	Ser	Thr	Cys	Ser	Ser	
225				230						235					240	
His	Ile	Met	Val	Val	Val	Leu	Phe	Phe	Val	Pro	Cys	Ile	Phe	Met	Tyr	
			245						250					255		
Val	Arg	Pro	Val	Ser	Asn	Phe	Pro	Ile	Asp	Lys	Tyr	Ile	Thr	Val	Phe	
		260						265						270		
Tyr	Thr	Val	Phe	Thr	Pro	Met	Leu	Asn	Pro	Leu	Ile	Tyr	Thr	Leu	Arg	
		275					280					285				
Asn	Met	Glu	Ile	Lys	Asn	Cys	Met	Ala	Lys	Leu	Trp	Cys	Lys	Met	Phe	
	290					295					300					
Thr	Lys	Asp	Ile	Lys	Arg	Asp	Ser	His	His							
305					310											

<210> 1461

<211> 311

<212> PRT

<213> Mus musculus

<400> 1461

Met	Met	Phe	Ser	Pro	Asn	Gln	Thr	Glu	Val	Thr	Glu	Phe	Ile	Leu	Glu	
1				5					10					15		
Gly	Phe	Ser	Glu	His	Ala	Thr	Leu	Arg	Leu	Leu	Leu	Thr	Gly	Cys	Phe	
			20					25					30			
Leu	Ser	Leu	Tyr	Thr	Ile	Ala	Leu	Met	Gly	Asn	Ile	Val	Ile	Ile	Ala	
		35					40					45				
Leu	Val	Thr	Ser	Ser	Thr	Gly	Leu	His	Ser	Pro	Met	Tyr	Phe	Phe	Leu	
	50					55					60					
Cys	Asn	Leu	Ala	Thr	Met	Asp	Ile	Val	Cys	Thr	Ser	Ser	Val	Ile	Pro	
65					70					75					80	
Lys	Ala	Leu	Ile	Gly	Leu	Val	Ser	Glu	Glu	Asn	Thr	Ile	Ser	Phe	Lys	
				85					90					95		
Gly	Cys	Met	Ala	Gln	Leu	Phe	Phe	Leu	Leu	Trp	Ser	Leu	Ser	Ser	Glu	
			100					105					110			
Leu	Leu	Leu	Leu	Thr	Val	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	
		115					120					125				
Phe	Pro	Leu	His	Tyr	Ser	Ser	Arg	Met	Ser	Pro	Gln	Leu	Cys	Gly	Ala	
	130					135					140					
Leu	Ala	Val	Gly	Val	Trp	Ser	Ile	Cys	Ala	Val	Asn	Ala	Ser	Val	His	
145					150					155					160	
Thr	Gly	Leu	Met	Thr	Arg	Leu	Ser	Phe	Cys	Gly	Pro	Lys	Val	Ile	Thr	

His	Phe	Phe	Cys	165	Glu	Ile	Pro	Pro	Leu	170	Leu	Leu	Leu	Ser	Cys	175	Ser	Pro
Thr	Tyr	Ile	180	Asn	Ser	Val	Met	Thr	185	Leu	Val	Ala	Asp	Ala	190	Phe	Tyr	Gly
Cys	Ile	195	Asn	Phe	Val	Leu	Thr	200	Leu	Leu	Ser	Tyr	Gly	205	Cys	Ile	Ile	Ala
Ser	Val	210	Leu	Arg	Met	Arg	Ser	Ala	Glu	Gly	Lys	Arg	Lys	Ala	Phe	Ser		
225					230						235							240
Thr	Cys	Ser	Ser	His	Leu	Ile	Val	Val	Ser	Val	Tyr	Tyr	Ser	Ser	Val			
Phe	Cys	Ala	Tyr	245	Val	Ser	Pro	Ala	Ser	250	Ser	Tyr	Ser	Pro	Glu	Arg	Ser	
Lys	Val	Thr	260	Ser	Val	Leu	Tyr	Ser	265	Ile	Leu	Ser	Pro	Thr	Leu	Asn	Pro	
Leu	Ile	Tyr	275	Thr	Leu	Arg	Asn	Lys	280	Asp	Val	Lys	Leu	Ala	Leu	Gly	Arg	
Leu	Leu	Pro	Phe	Phe	Pro	Lys												
305					310													

<210> 1462
 <211> 311
 <212> PRT
 <213> Mus musculus

<400> 1462

Met	Met	Leu	Arg	Leu	Asn	Gln	Thr	Glu	Val	Thr	Glu	Phe	Val	Leu	Glu
1				5					10					15	
Gly	Phe	Ser	Glu	His	Pro	Asp	Leu	Arg	Leu	Phe	Leu	Ile	Gly	Cys	Phe
			20					25					30		
Leu	Thr	Leu	Tyr	Ile	Met	Ala	Leu	Met	Gly	Asn	Ile	Leu	Ile	Ile	Ala
		35					40					45			
Leu	Val	Thr	Ser	Ser	Thr	Gly	Leu	His	Asn	Pro	Met	Tyr	Phe	Phe	Leu
		50				55					60				
Cys	Asn	Leu	Ala	Thr	Thr	Asp	Ile	Leu	Cys	Thr	Ser	Ser	Val	Ile	Pro
65					70					75					80
Lys	Ala	Leu	Val	Gly	Leu	Val	Ser	Glu	Glu	Asn	Thr	Ile	Ser	Phe	Lys
				85					90					95	
Glu	Cys	Met	Ser	Gln	Leu	Phe	Phe	Leu	Ala	Trp	Ser	Ala	Ser	Ser	Glu
			100					105					110		
Leu	Leu	Leu	Leu	Thr	Val	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys
		115					120					125			
Cys	Pro	Leu	His	Tyr	Ser	Ser	Arg	Met	Ser	Pro	Gln	Met	Cys	Gly	Ala
		130				135					140				
Leu	Ala	Met	Gly	Val	Trp	Ser	Ile	Ser	Ala	Val	Asn	Ala	Ser	Val	His
145					150					155					160
Thr	Gly	Leu	Met	Thr	Arg	Leu	Ser	Phe	Cys	Gly	Pro	Lys	Val	Ile	Thr
				165					170					175	
His	Phe	Phe	Cys	Glu	Ile	Pro	Pro	Leu	Leu	Leu	Leu	Ser	Cys	Ser	Pro
			180					185					190		
Thr	Tyr	Val	Asn	Thr	Ile	Met	Thr	Leu	Leu	Gly	Asp	Ser	Phe	Phe	Gly
		195					200					205			
Gly	Val	Asn	Phe	Val	Leu	Thr	Leu	Leu	Ser	Tyr	Gly	Cys	Ile	Ile	Ala
		210				215					220				
Ser	Ile	Leu	Arg	Met	Arg	Ser	Ala	Glu	Gly	Lys	Arg	Lys	Ala	Phe	Ser
225					230					235					240
Thr	Cys	Ser	Ser	His	Leu	Ile	Val	Val	Ser	Val	Tyr	Tyr	Ser	Ser	Val
				245					250					255	

Phe	Cys	Ala	Tyr	Val	Ser	Pro	Ala	Ser	Ser	Tyr	Ser	Pro	Glu	Arg	Ser
			260					265					270		
Lys	Val	Thr	Ser	Val	Leu	Tyr	Ser	Ile	Val	Ser	Pro	Thr	Leu	Asn	Pro
		275					280					285			
Leu	Ile	Tyr	Thr	Leu	Arg	Asn	Lys	Asp	Val	Lys	Leu	Ala	Leu	Gly	Arg
	290					295					300				
Ile	Leu	Ala	Ser	Phe	Ser	His									
305					310										

<210> 1463

<211> 312

<212> PRT

<213> Mus musculus

<400> 1463

Met	Met	Met	Leu	Arg	Leu	Asn	Gln	Thr	Glu	Val	Thr	Glu	Phe	Val	Leu
1				5					10					15	
Glu	Gly	Phe	Ser	Glu	His	Pro	Asp	Leu	Arg	Leu	Phe	Leu	Ile	Gly	Cys
			20					25					30		
Phe	Leu	Ser	Leu	Tyr	Met	Met	Ala	Leu	Met	Gly	Asn	Ile	Val	Ile	Ile
		35					40					45			
Ala	Leu	Val	Thr	Ser	Ser	Thr	Gly	Leu	His	Ser	Pro	Met	Tyr	Phe	Phe
	50					55					60				
Leu	Cys	Asn	Leu	Ala	Thr	Met	Asp	Ile	Val	Cys	Thr	Ser	Ser	Val	Ile
65					70					75					80
Pro	Lys	Ala	Leu	Val	Gly	Leu	Val	Ser	Gly	Glu	Asn	Thr	Ile	Ser	Phe
			85						90					95	
Lys	Gly	Cys	Met	Ala	Gln	Leu	Phe	Phe	Leu	Val	Trp	Ser	Ala	Ser	Ser
			100					105					110		
Glu	Leu	Leu	Leu	Leu	Thr	Val	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile
		115					120						125		
Cys	Phe	Pro	Leu	His	Tyr	Ser	Ser	Arg	Met	Ser	Pro	Gln	Leu	Cys	Gly
	130					135					140				
Ala	Leu	Ala	Val	Gly	Val	Trp	Ser	Ile	Cys	Ala	Leu	Asn	Ala	Ser	Val
145					150					155					160
His	Thr	Gly	Leu	Met	Thr	Arg	Leu	Ser	Phe	Cys	Gly	Pro	Lys	Ile	Ile
			165						170					175	
Thr	His	Phe	Phe	Cys	Glu	Ile	Pro	Pro	Leu	Leu	Leu	Leu	Ser	Cys	Ser
		180						185					190		
Pro	Thr	Tyr	Ile	Asn	Ser	Val	Met	Thr	Leu	Val	Ala	Asp	Ala	Phe	Tyr
		195				200						205			
Gly	Gly	Ile	Asn	Phe	Val	Leu	Thr	Leu	Leu	Ser	Tyr	Gly	Tyr	Ile	Ile
	210					215					220				
Gly	Ser	Ile	Leu	Arg	Met	Arg	Ser	Ala	Glu	Gly	Lys	Arg	Lys	Ala	Phe
225					230					235					240
Ser	Thr	Cys	Ser	Ser	His	Leu	Ile	Val	Val	Ser	Val	Tyr	Tyr	Ser	Ser
			245						250					255	
Val	Phe	Cys	Ala	Tyr	Val	Ser	Pro	Ala	Ser	Ser	Tyr	Ser	Pro	Glu	Arg
			260					265					270		
Ser	Lys	Val	Ser	Ser	Val	Leu	Tyr	Ser	Val	Leu	Ser	Pro	Thr	Leu	Asn
		275					280					285			
Pro	Leu	Ile	Tyr	Thr	Leu	Arg	Asn	Lys	Asp	Val	Lys	Leu	Ala	Leu	Gly
	290					295					300				
Arg	Ile	Leu	Pro	Ser	Phe	Ser	His								
305					310										

<210> 1464

<211> 319
 <212> PRT
 <213> Mus musculus

<400> 1464

Met	Val	Asp	Leu	Val	Leu	Ser	Met	Met	Met	Leu	Asn	Leu	Asn	Gln	Thr
1				5					10					15	
Glu	Val	Thr	Glu	Phe	Val	Leu	Glu	Gly	Phe	Ser	Glu	His	Pro	Gly	Leu
			20					25					30		
Arg	Leu	Phe	Leu	Thr	Gly	Cys	Phe	Leu	Ser	Leu	Tyr	Met	Met	Ala	Leu
		35					40					45			
Met	Gly	Asn	Ile	Leu	Ile	Ile	Ala	Leu	Val	Thr	Phe	Ser	Thr	Gly	Leu
	50					55					60				
His	Asn	Pro	Met	Tyr	Phe	Leu	Cys	Asn	Leu	Ala	Thr	Met	Asp	Ile	
65					70				75					80	
Ile	Cys	Thr	Ser	Ser	Val	Ile	Pro	Lys	Ala	Leu	Val	Gly	Leu	Val	Ser
				85					90					95	
Glu	Glu	Asn	Thr	Ile	Ser	Phe	Lys	Gly	Cys	Met	Ser	Gln	Leu	Phe	Phe
			100					105					110		
Leu	Thr	Trp	Ser	Ala	Ser	Ser	Glu	Leu	Leu	Leu	Leu	Thr	Val	Met	Ala
		115					120					125			
Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Phe	Pro	Leu	His	Tyr	Ser	Ser	Arg
	130					135					140				
Met	Ser	Pro	Gln	Leu	Cys	Gly	Ala	Leu	Ala	Met	Val	Val	Trp	Phe	Ile
145					150				155						160
Gly	Leu	Val	Asn	Ala	Cys	Val	His	Thr	Gly	Leu	Met	Thr	Arg	Leu	Ser
			165						170					175	
Phe	Cys	Gly	Pro	Lys	Val	Ile	Thr	His	Phe	Phe	Cys	Glu	Ile	Pro	Pro
			180					185					190		
Leu	Leu	Leu	Leu	Ser	Cys	Ser	Pro	Thr	Tyr	Val	Asn	Ser	Ile	Leu	Thr
		195					200					205			
Leu	Val	Ala	Asp	Ala	Phe	Phe	Val	Gly	Ile	Asn	Phe	Met	Leu	Thr	Leu
	210					215					220				
Leu	Ser	Tyr	Gly	Cys	Ile	Ile	Ala	Ser	Ile	Leu	Arg	Met	Arg	Ser	Ala
225					230					235					240
Glu	Gly	Lys	Arg	Lys	Ala	Phe	Ser	Thr	Cys	Ser	Ser	His	Leu	Ile	Val
			245						250					255	
Val	Ser	Val	Tyr	Tyr	Ser	Ser	Met	Phe	Cys	Ala	Tyr	Ile	Ser	Pro	Ala
			260					265					270		
Ser	Ser	Tyr	Ser	Pro	Glu	Arg	Ser	Lys	Val	Thr	Ser	Val	Leu	Tyr	Ser
		275					280					285			
Ile	Leu	Ser	Pro	Thr	Leu	Asn	Pro	Leu	Ile	Tyr	Thr	Leu	Arg	Asn	Lys
	290					295					300				
Asp	Val	Lys	Leu	Ala	Leu	Gly	Arg	Ile	Leu	Ala	Ser	Phe	Ser	His	
305					310					315					

<210> 1465
 <211> 312
 <212> PRT
 <213> Mus musculus

<400> 1465

Met	Met	Leu	Leu	Ser	Leu	Asn	Gln	Thr	Gly	Val	Thr	Glu	Phe	Val	Leu
1				5					10					15	
Glu	Gly	Phe	Ser	Glu	His	Pro	Gly	Leu	Arg	Leu	Phe	Leu	Thr	Gly	Cys
			20					25					30		
Phe	Leu	Thr	Leu	Tyr	Met	Met	Ala	Leu	Met	Gly	Asn	Ile	Val	Ile	Ile
		35					40					45			

Ala	Leu	Val	Thr	Ser	Ser	Thr	Gly	Leu	His	Asn	Pro	Met	Tyr	Phe	Phe
50						55					60				
Leu	Cys	Asn	Leu	Ala	Thr	Thr	Asp	Ile	Val	Cys	Thr	Ser	Ser	Val	Ile
65					70					75					80
Pro	Lys	Ala	Leu	Ile	Gly	Leu	Val	Ser	Glu	Glu	Asn	Ile	Ile	Thr	Phe
				85					90					95	
Lys	Gly	Cys	Met	Ala	Gln	Leu	Phe	Phe	Leu	Ala	Trp	Ala	Thr	Ser	Ala
			100					105					110		
Glu	Leu	Leu	Leu	Leu	Thr	Val	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile
		115					120					125			
Cys	Phe	Pro	Leu	His	Tyr	Ser	Ser	Arg	Met	Ser	Pro	Gln	Leu	Cys	Gly
130						135					140				
Ala	Leu	Ala	Val	Gly	Val	Trp	Ser	Ile	Ser	Ala	Val	Asn	Ala	Ser	Val
145					150					155					160
His	Thr	Gly	Leu	Met	Thr	Arg	Leu	Ser	Phe	Cys	Gly	Pro	Lys	Val	Ile
				165					170					175	
Thr	His	Phe	Phe	Cys	Glu	Ile	Pro	Pro	Leu	Leu	Leu	Leu	Ser	Cys	Ser
			180					185					190		
Ser	Thr	Tyr	Ile	Asn	Ser	Val	Met	Thr	Leu	Val	Ala	Asp	Val	Phe	Leu
		195					200					205			
Gly	Gly	Ile	Asn	Phe	Met	Leu	Thr	Leu	Leu	Ser	Tyr	Gly	Phe	Ile	Ile
210						215					220				
Ala	Ser	Ile	Leu	Arg	Met	Arg	Ser	Ala	Glu	Gly	Lys	Arg	Lys	Ala	Phe
225					230					235					240
Ser	Thr	Cys	Ser	Ser	His	Leu	Ile	Val	Val	Ser	Val	Tyr	Tyr	Ser	Ser
				245					250					255	
Val	Phe	Cys	Ala	Tyr	Ile	Ser	Pro	Ala	Ser	Ser	Tyr	Ser	Pro	Glu	Arg
			260					265					270		
Ser	Lys	Phe	Thr	Ser	Val	Leu	Tyr	Ser	Val	Val	Ser	Pro	Thr	Leu	Asn
		275					280					285			
Pro	Leu	Ile	Tyr	Thr	Leu	Arg	Asn	Lys	Asp	Val	Lys	Leu	Ala	Leu	Gly
		290				295					300				
Arg	Met	Leu	Ala	Ser	Phe	Ser	His								
305					310										

<210> 1466

<211> 319

<212> PRT

<213> Mus musculus

<400> 1466

Met	Val	Leu	Ser	Asn	Ile	Thr	His	Phe	Ser	Pro	Met	Phe	Tyr	Leu	Ser
1				5					10					15	
Gly	Phe	Pro	Gly	Leu	Glu	Ala	Ile	Glu	His	Trp	Ile	Phe	Ile	Pro	Phe
			20					25					30		
Phe	Leu	Met	Tyr	Leu	Val	Ala	Ile	Ser	Gly	Asn	Cys	Leu	Ile	Leu	Ile
		35					40					45			
Ile	Ile	Lys	Thr	Ser	Pro	Arg	Leu	His	Thr	Pro	Met	Tyr	Tyr	Leu	Leu
		50				55					60				
Ser	Leu	Leu	Ala	Leu	Thr	Asp	Leu	Gly	Leu	Ser	Val	Ser	Thr	Leu	Pro
65					70					75					80
Thr	Met	Val	Gly	Ile	Phe	Trp	Phe	Asn	Tyr	His	Gly	Ile	Tyr	Phe	Gly
				85					90					95	
Ala	Cys	Gln	Ile	Gln	Met	Phe	Cys	Ile	His	Ser	Phe	Ser	Phe	Met	Glu
			100					105					110		
Ser	Ala	Val	Leu	Leu	Val	Met	Ser	Phe	Asp	Arg	Phe	Val	Ala	Ile	Cys
		115					120					125			
His	Pro	Leu	Arg	Tyr	Ser	Ser	Ile	Ile	Thr	Val	Gln	Arg	Val	Met	Arg

130		135		140
Ala Gly Leu Cys Val Ile	Leu Arg Gly Pro Val	Ala Leu Ile Pro Ile		
145		150		155
Val Leu Leu Leu Lys Asp	Phe Pro Tyr Cys Gly	Pro Leu Val Leu Ser		160
	165	170		175
His Ser Phe Cys Leu His	Gln Glu Val Ile His	Leu Ala Cys Val Asp		
	180	185		190
Thr Thr Phe Asn Asn Leu	Tyr Gly Leu Ser Leu	Val Val Phe Thr Val		
	195	200		205
Met Leu Asp Leu Val Leu	Ile Ala Leu Ser Tyr	Gly Phe Ile Leu Tyr		
	210	215		220
Thr Val Ala Gly Leu Ala	Ser Gln Glu Glu Gln	Ile Arg Ala Phe Gln		
225		230		235
Thr Cys Thr Ser His Leu	Cys Ala Val Leu	Val Phe Phe Val Pro	Met	
	245	250		255
Met Gly Leu Ser Leu Val	His Arg Phe Gly Lys	His Ala Pro Pro Ala		
	260	265		270
Val His Leu Leu Met Ala	Asn Ile Tyr Leu Phe	Val Pro Pro Met Leu		
	275	280		285
Asn Pro Val Ile Tyr Ser	Ile Lys Thr Lys Glu	Ile Arg Lys Ala Ile		
	290	295		300
Ile Arg Phe Leu Gly Phe	Arg Lys Val Asn Ser	Glu Ser Trp Gly		
305		310		315

<210> 1467
 <211> 314
 <212> PRT
 <213> Mus musculus

<400> 1467

Met Met Glu Arg Glu Asn Tyr Thr Phe Asn Ser Asp Phe Ile Leu Leu		
1	5	10
Gly Leu Phe Ser Ser Ser Lys Ile Ser Leu Thr Phe Phe Ser Val Ile		
	20	25
Phe Phe Ile Phe Ile Met Thr Ile Thr Glu Asn Ala Leu Met Ile Leu		
	35	40
Leu Ile His Arg Asp Ser Arg Leu His Thr Pro Met Tyr Phe Leu Leu		
	50	55
Ser His Leu Ser Phe Met Asp Ile Leu His Ile Ser Asn Ile Val Pro		
65	70	75
Lys Met Ile Ala Asp Phe Leu Ser Gly Ser Arg Thr Ile Ser Phe Ala		
	85	90
Gly Cys Ala Phe Gln Ile Phe Leu Ser Leu Thr Leu Leu Gly Gly Glu		
	100	105
Cys Leu Leu Leu Ala Val Met Ser Tyr Asp Arg Tyr Val Ala Ile Cys		
	115	120
His Pro Leu Arg Tyr Pro Val Leu Met Arg Asp Asn Phe Ser Arg Leu		
	130	135
Leu Ala Ala Gly Ser Trp Leu Val Gly Ile Leu Asn Ser Ile Val His		
145	150	155
Thr Ala Phe Val Leu His Phe Pro Phe Cys His Ser Arg Ala Ile Asp		
	165	170
His Phe Phe Cys Glu Val Pro Ala Met Leu Lys Leu Ser Cys Ile Asp		
	180	185
Thr Thr His Tyr Glu Arg Gly Val Tyr Val Ser Gly Ile Ile Phe Leu		
	195	200
Leu Ile Pro Phe Ser Met Ile Ser Ile Ser Tyr Val Gln Ile Leu Leu		
	210	215
		220

Thr	Val	Phe	Gln	Met	His	Ser	Ser	Gly	Ala	Arg	Gln	Lys	Ser	Phe	Ser
225					230					235					240
Thr	Cys	Leu	Phe	His	Met	Val	Val	Val	Ile	Met	Tyr	Tyr	Gly	Pro	Phe
				245					250					255	
Ile	Phe	Thr	Tyr	Met	Arg	Pro	Arg	Ser	Tyr	His	Thr	Pro	Gly	Gln	Asp
			260					265					270		
Lys	Phe	Leu	Ala	Ile	Phe	Tyr	Thr	Ile	Leu	Thr	Pro	Thr	Leu	Asn	Pro
		275					280					285			
Ile	Ile	Tyr	Ser	Phe	Arg	Asn	Lys	Asp	Val	Leu	Met	Ala	Leu	Lys	Asn
	290					295					300				
Ile	Val	Gln	Ser	Asn	Ile	Leu	Asn	Lys	Glu						
305					310										

<210> 1468

<211> 313

<212> PRT

<213> Mus musculus

<400> 1468

Met	Met	Glu	Tyr	Glu	Asn	Tyr	Thr	Phe	Asn	Asp	Phe	Ile	Leu	Leu	Gly
1				5					10					15	
Leu	Phe	Ser	Ser	Ser	Lys	Thr	Ser	Leu	Thr	Phe	Phe	Ser	Val	Ile	Phe
			20					25					30		
Phe	Ile	Phe	Ile	Met	Ala	Ile	Thr	Glu	Asn	Ala	Leu	Met	Ile	Leu	Leu
		35					40					45			
Ile	His	Arg	Asp	Ser	Arg	Leu	His	Thr	Pro	Met	Tyr	Phe	Leu	Leu	Ser
	50					55					60				
His	Leu	Ser	Phe	Met	Asp	Ile	Leu	His	Ile	Ser	Asn	Ile	Val	Pro	Lys
65					70					75					80
Met	Ile	Ala	Asp	Phe	Leu	Ser	Gly	Ser	Arg	Thr	Ile	Ser	Phe	Ala	Gly
				85					90					95	
Cys	Ala	Phe	Gln	Ile	Phe	Leu	Ser	Leu	Thr	Leu	Leu	Gly	Gly	Glu	Cys
			100					105					110		
Leu	Leu	Leu	Ala	Ala	Met	Ser	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	His
		115					120					125			
Pro	Leu	Cys	Tyr	Pro	Val	Leu	Met	Arg	Asp	Asn	Phe	Ser	Arg	Leu	Leu
	130					135					140				
Ala	Ala	Gly	Ser	Trp	Leu	Val	Gly	Ile	Leu	Asn	Ser	Ile	Val	His	Thr
145					150					155					160
Ala	Phe	Val	Leu	His	Phe	Pro	Phe	Cys	His	Ser	Arg	Ala	Ile	Asp	His
				165					170					175	
Phe	Phe	Cys	Glu	Val	Pro	Ala	Met	Leu	Lys	Leu	Ser	Cys	Ile	Asp	Thr
			180					185					190		
Thr	His	Tyr	Glu	Gln	Gly	Val	Tyr	Val	Ser	Gly	Ile	Ile	Phe	Leu	Met
		195				200						205			
Val	Pro	Phe	Ser	Met	Ile	Ser	Ile	Ser	Tyr	Val	Gln	Ile	Leu	Leu	Thr
	210					215					220				
Val	Phe	Gln	Met	His	Ser	Ser	Gly	Ala	Arg	Gln	Lys	Ser	Phe	Ser	Thr
225					230					235					240
Cys	Leu	Phe	His	Met	Val	Val	Val	Ile	Met	Tyr	Tyr	Gly	Pro	Val	Ile
				245					250					255	
Phe	Thr	Tyr	Met	Arg	Pro	Arg	Ser	Tyr	His	Thr	Pro	Gly	Gln	Asp	Lys
			260					265					270		
Phe	Leu	Ala	Ile	Phe	Tyr	Thr	Ile	Leu	Thr	Pro	Lys	Leu	Asn	Pro	Ile
		275					280					285			
Ile	Tyr	Ser	Phe	Arg	Asn	Lys	Asp	Val	Leu	Arg	Ala	Leu	Lys	Asn	Ile
	290					295					300				
Val	Gln	Ser	Asn	Ile	Leu	Asn	Lys	Lys							

305

310

<210> 1469

<211> 309

<212> PRT

<213> Mus musculus

<400> 1469

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Met Glu Ile Asn Asn Tyr Thr Thr Val Val Glu Phe Val Leu Gln Gly
 1          5          10          15
Leu Ser Glu Asp Pro Gly Leu Gln Ala Leu Phe Leu Ala Phe Phe Leu
 20          25          30
Leu Leu Tyr Ile Leu Ala Leu Ala Gly Asn Thr Leu Ile Ile Ala
 35          40          45
Ile Ser Leu Asn Ser Ser Leu His Thr Pro Met Tyr Phe Phe Leu Ala
 50          55          60
Asn Leu Ala Leu Leu Asp Ile Val Cys Thr Ser Thr Val Leu Pro Lys
 65          70          75          80
Leu Leu Glu Gly Leu Val Gly Lys Ser Ser His Ile Ser Tyr Lys Gly
 85          90          95
Cys Met Thr Gln Leu Phe Phe Leu Thr Trp Phe Leu Gly Ala Glu Leu
 100          105          110
Leu Leu Leu Thr Ala Met Ala Tyr Asp Arg Tyr Val Ala Ile Cys Arg
 115          120          125
Pro Leu His Tyr Ser Met Leu Met Ser Trp Pro Ile Cys Val Leu Leu
 130          135          140
Ala Gly Ser Val Trp Val Ile Ser Ala Ala Ser Thr Ser Val His Thr
 145          150          155          160
Gly Leu Met Ala Arg Leu Asn Phe Cys Gly Pro Asn Gln Ile Arg His
 165          170          175
Phe Leu Cys Glu Val Pro Thr Leu Leu Leu Ser Cys Ser Pro Thr
 180          185          190
Thr Leu Asn Asn Ile Met Ile Val Ile Ala Asp Val Tyr Phe Gly Val
 195          200          205
Val Asn Phe Leu Leu Thr Met Ile Ser Tyr Ser Phe Ile Ile Thr Ser
 210          215          220
Ile Leu Arg Ile Arg Ser Thr Glu Gly Lys Lys Arg Ala Phe Ser Thr
 225          230          235          240
Cys Ser Ala His Leu Val Val Val Val Leu Tyr Tyr Ser Thr Val Ile
 245          250          255
Tyr Thr Tyr Leu Gln Pro Gly Ser Gly Ser Ser Leu Glu Asn Gly Lys
 260          265          270
Val Val Ala Leu Leu Tyr Thr Ala Val Ser Pro Thr Leu Asn Pro Ala
 275          280          285
Ile Tyr Ser Leu Arg Asn Lys Asp Val Lys Val Ala Leu Lys Lys Leu
 290          295          300
Phe Pro Cys Phe Gln
305

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<210> 1470

<211> 311

<212> PRT

<213> Mus musculus

<400> 1470

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Met Met Ser Arg Leu Asn Gln Thr Val Val Thr Glu Phe Ile Leu Gln
 1          5          10          15

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Gly	Phe	Ser	Glu	His	Pro	Ser	Leu	Arg	Leu	Phe	Leu	Thr	Gly	Cys	Phe
			20					25					30		
Leu	Ser	Leu	Tyr	Val	Met	Ala	Leu	Met	Gly	Asn	Ile	Leu	Ile	Ile	Ala
		35					40					45			
Leu	Val	Thr	Phe	Ser	Thr	Gly	Leu	His	Ser	Pro	Met	Tyr	Phe	Phe	Leu
	50					55					60				
Cys	Asn	Leu	Ala	Thr	Met	Asp	Ile	Ile	Cys	Thr	Ser	Ser	Val	Leu	Pro
65					70					75					80
Lys	Ala	Leu	Val	Gly	Leu	Leu	Ser	Glu	Glu	Asn	Thr	Ile	Ser	Phe	Lys
				85					90					95	
Gly	Cys	Met	Ala	Gln	Leu	Phe	Phe	Leu	Val	Trp	Ser	Leu	Ser	Ser	Glu
			100					105					110		
Leu	Leu	Leu	Leu	Thr	Val	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys
		115					120					125			
Phe	Pro	Leu	His	Tyr	Ser	Ser	Arg	Met	Ser	Pro	Gln	Leu	Cys	Gly	Ala
	130					135					140				
Leu	Ala	Met	Gly	Val	Trp	Ser	Ile	Cys	Ala	Leu	Asn	Ala	Ser	Ile	Asn
145					150					155					160
Thr	Gly	Leu	Met	Thr	Arg	Leu	Ser	Phe	Cys	Gly	Pro	Lys	Val	Ile	Thr
				165					170					175	
His	Phe	Phe	Cys	Glu	Ile	Pro	Pro	Leu	Leu	Leu	Leu	Ser	Cys	Ser	Pro
			180					185					190		
Thr	Tyr	Val	Asn	Ser	Ile	Met	Thr	Leu	Ile	Ala	Asp	Val	Phe	Tyr	Gly
		195					200					205			
Gly	Ile	Asn	Phe	Val	Leu	Thr	Leu	Leu	Ser	Tyr	Gly	Cys	Ile	Ile	Ala
	210					215					220				
Ser	Ile	Leu	Arg	Met	Arg	Ser	Ala	Glu	Gly	Lys	Arg	Lys	Ala	Phe	Ser
225					230					235					240
Thr	Cys	Ser	Ser	His	Leu	Ile	Val	Val	Ser	Val	Tyr	Tyr	Ser	Ser	Val
				245					250					255	
Phe	Cys	Ala	Tyr	Val	Ser	Pro	Ala	Ser	Ser	Tyr	Ser	Pro	Glu	Arg	Ser
			260					265					270		
Lys	Val	Thr	Ser	Val	Leu	Tyr	Ser	Phe	Leu	Ser	Pro	Thr	Leu	Asn	Pro
		275					280					285			
Leu	Ile	Tyr	Thr	Leu	Arg	Asn	Lys	Asp	Val	Lys	Leu	Ala	Ile	Gly	Arg
	290					295					300				
Leu	Leu	Pro	Ser	Phe	Ser	His									
305					310										

<210> 1471

<211> 312

<212> PRT

<213> Mus musculus

<400> 1471

Met	Thr	Met	Leu	Ser	Pro	Asn	Gln	Thr	Val	Val	Thr	Glu	Phe	Val	Leu
1			5					10					15		
Glu	Gly	Phe	Ser	Glu	His	Pro	Ser	Leu	Arg	Leu	Phe	Leu	Met	Gly	Cys
			20					25					30		
Phe	Leu	Ser	Leu	Tyr	Thr	Val	Ala	Leu	Met	Gly	Asn	Ile	Leu	Ile	Ile
	35						40				45				
Ala	Leu	Val	Thr	Ser	Ser	Thr	Gly	Leu	His	Ser	Pro	Met	Tyr	Phe	Phe
	50					55					60				
Leu	Cys	Asn	Leu	Ala	Thr	Met	Asp	Ile	Val	Cys	Thr	Ser	Ser	Val	Ile
65					70					75					80
Pro	Lys	Ala	Leu	Ile	Gly	Leu	Val	Phe	Glu	Glu	Asn	Thr	Ile	Ser	Phe
			85						90				95		
Lys	Gly	Cys	Met	Ala	Gln	Leu	Phe	Phe	Leu	Val	Trp	Ser	Ala	Ser	Ser

Ala	Met	Ala	Phe	Ala	Ala	Asp	Val	Phe	Leu	Ala	Val	Gly	Asn	Phe	Ser
		195					200					205			
Val	Ile	Ile	Leu	Ser	Tyr	Gly	Phe	Ile	Val	Ala	Ser	Ile	Leu	Lys	Ile
	210					215					220				
Arg	Ser	Ala	Glu	Gly	Lys	Gln	Arg	Ala	Phe	Ser	Thr	Cys	Ser	Ala	His
225					230					235					240
Leu	Ile	Val	Val	Thr	Met	Tyr	Tyr	Ser	Thr	Val	Ile	Tyr	Thr	Tyr	Ile
				245					250					255	
Arg	Pro	Ser	Ser	Ser	Tyr	Ser	Leu	Asn	Lys	Asp	Lys	Val	Val	Ser	Ile
			260					265					270		
Ile	Tyr	Thr	Ser	Val	Ala	Pro	Thr	Leu	Asn	Pro	Leu	Ile	Tyr	Thr	Leu
		275					280					285			
Arg	Asn	Lys	Asp	Val	Lys	Val	Ala	Leu	Arg	Arg	Leu	Phe	Ser	Cys	Cys
	290					295					300				

<210> 1473

<211> 312

<212> PRT

<213> Mus musculus

<400> 1473

Met	Ser	Asn	Cys	Ser	Asn	Asn	Ala	Leu	Val	Thr	Glu	Phe	Ile	Leu	Leu
1				5					10					15	
Gly	Phe	Pro	Glu	Leu	Cys	His	Leu	Gln	Gly	Leu	Leu	Phe	Gly	Phe	Phe
		20						25					30		
Leu	Ile	Ile	Tyr	Val	Val	Thr	Val	Leu	Glu	Asn	Leu	Val	Ile	Val	Gly
		35					40					45			
Thr	Ile	Ser	Ala	Ser	Arg	Gln	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu
	50					55				60					
Ala	Asn	Leu	Ser	Val	Leu	Glu	Thr	Leu	Tyr	Thr	Thr	Val	Thr	Val	Pro
65					70					75					80
Lys	Leu	Leu	Ala	Asp	Leu	Leu	Ala	Gly	Ala	Lys	Thr	Ile	Ser	Phe	Ser
				85				90						95	
Gly	Cys	Leu	Thr	Gln	Leu	Phe	Leu	Phe	Leu	Ser	Leu	Gly	Ser	Ser	Glu
			100					105					110		
Cys	Phe	Leu	Leu	Ser	Thr	Met	Ala	Cys	Asp	Arg	Tyr	Leu	Ala	Ile	Cys
		115					120					125			
Arg	Pro	Leu	His	Tyr	Pro	Ala	Ile	Met	Asp	Ser	Lys	Leu	Cys	Leu	His
	130					135					140				
Leu	Ala	Leu	Ser	Ala	Trp	Leu	Gly	Gly	Phe	Leu	Ala	Ser	Phe	Val	Ser
145					150					155					160
Thr	Ala	Leu	Ile	Ser	Arg	Leu	Arg	Phe	Cys	Gly	Pro	Asn	Ala	Leu	Asn
				165					170					175	
His	Phe	Phe	Cys	Asp	Ile	Ser	Pro	Leu	Leu	Gln	Leu	Ser	Cys	Thr	Asp
			180					185					190		
Thr	Thr	Ala	Ile	Glu	Met	Leu	Asp	Phe	Val	Ala	Ala	Leu	Ala	Val	Leu
		195					200						205		
Ala	Thr	Ser	Leu	Ile	Val	Thr	Ser	Val	Ser	Tyr	Val	His	Ile	Ile	Ala
	210					215					220				
Thr	Val	Leu	Arg	Ile	Pro	Gly	Gly	Ala	Gly	Arg	Arg	Lys	Ala	Phe	Ser
225					230					235					240
Thr	Cys	Ala	Ser	His	Leu	Val	Val	Val	Leu	Ile	Phe	Tyr	Thr	Thr	Thr
				245					250					255	
Thr	Phe	Met	Tyr	Ala	Arg	Pro	His	Ala	Ile	Ser	Ser	Phe	Asp	Leu	Asn
		260						265					270		
Lys	Leu	Val	Ser	Val	Ile	Tyr	Ser	Val	Val	Thr	Pro	Leu	Leu	Asn	Pro
		275					280					285			
Ile	Ile	Tyr	Cys	Leu	Arg	Asn	Arg	Asp	Ile	Arg	Glu	Ala	Phe	Thr	Lys

	290		295		300
Phe	Leu	Gln	Pro	Leu	Arg
305					310

<210> 1474
 <211> 312
 <212> PRT
 <213> Mus musculus

<400> 1474

Met	Arg	Arg	Asp	Asn	Glu	Ser	Thr	Val	Ser	Glu	Phe	Ile	Leu	Leu	Gly
1				5					10					15	
Leu	Pro	Ile	Arg	Ala	Glu	Asp	Gln	Gly	Leu	Tyr	Ser	Ala	Leu	Phe	Leu
			20					25					30		
Ala	Met	Tyr	Leu	Thr	Thr	Val	Leu	Gly	Asn	Leu	Leu	Ile	Ile	Leu	Leu
		35					40					45			
Ile	Arg	Leu	Asp	Ser	His	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Ser
	50					55					60				
His	Leu	Ala	Phe	Thr	Asp	Ile	Ser	Phe	Ser	Ser	Val	Ala	Ser	Pro	Lys
65					70				75						80
Met	Val	Ile	Asn	Met	Leu	Thr	His	Ser	Gln	Ser	Ile	Ser	Tyr	Ala	Gly
			85						90					95	
Cys	Val	Ser	Gln	Val	Tyr	Phe	Phe	Ser	Phe	Phe	Ala	Asp	Leu	Glu	Ser
			100					105					110		
Phe	Leu	Leu	Thr	Ser	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	His
		115					120					125			
Pro	Leu	His	Tyr	Ser	Gln	Ile	Met	Ser	Glu	Asn	Leu	Cys	Val	Leu	Leu
	130					135					140				
Ile	Val	Val	Ser	Trp	Thr	Leu	Ser	Thr	Ala	Asn	Ser	Leu	Val	His	Thr
145					150					155					160
Leu	Leu	Leu	Val	Gln	Leu	Ser	Tyr	Phe	Arg	Asn	Asn	Thr	Ile	Pro	His
			165						170					175	
Tyr	Phe	Cys	Asp	Leu	Ser	Thr	Leu	Leu	Lys	Leu	Ser	Ser	Ser	Asp	Thr
			180					185					190		
Thr	Ile	Asn	Glu	Leu	Val	Ile	Leu	Val	Leu	Gly	Asn	Met	Val	Ile	Thr
	195						200					205			
Leu	Pro	Phe	Ile	Cys	Ile	Leu	Val	Ser	Tyr	Gly	His	Ile	Gly	Val	Thr
	210					215					220				
Ile	Met	Lys	Ile	Pro	Ser	Ile	Lys	Gly	Ile	Cys	Lys	Ala	Leu	Ser	Thr
225					230					235				240	
Cys	Gly	Ser	His	Leu	Cys	Val	Val	Ser	Leu	Tyr	Tyr	Gly	Ala	Ile	Ile
			245						250					255	
Gly	Leu	Tyr	Phe	Val	Pro	Ser	Ser	Asn	Asn	Thr	Ser	Asp	Lys	Asp	Ala
			260					265					270		
Ile	Val	Ala	Met	Met	Tyr	Thr	Met	Val	Ile	Pro	Met	Leu	Asn	Pro	Phe
	275						280					285			
Ile	Tyr	Ser	Leu	Arg	Asn	Arg	Asp	Met	Lys	Gly	Ala	Leu	Arg	Asn	Ile
	290					295					300				
Leu	Ser	Gly	Arg	Leu	Trp	Ser	Gln								
305					310										

<210> 1475
 <211> 313
 <212> PRT
 <213> Mus musculus

<400> 1475

Met	Arg	Arg	Asp	Asn	Glu	Ser	Thr	Val	Ser	Glu	Phe	Ile	Leu	Leu	Gly
1				5					10					15	
Leu	Pro	Ile	Gln	Pro	Glu	Asp	Gln	Gly	Leu	Tyr	Ser	Ala	Leu	Phe	Leu
		20						25					30		
Ala	Met	Tyr	Leu	Thr	Thr	Val	Leu	Gly	Asn	Leu	Leu	Ile	Ile	Leu	Leu
	35					40						45			
Ile	Arg	Leu	Asp	Ser	His	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Ser
	50					55					60				
His	Leu	Ala	Phe	Thr	Asp	Val	Ser	Phe	Ser	Ser	Val	Thr	Ala	Pro	Lys
65					70					75					80
Met	Leu	Met	Asn	Met	Leu	Thr	His	Ser	Gln	Ser	Ile	Ser	Tyr	Ala	Gly
			85						90					95	
Cys	Val	Ser	Gln	Val	Tyr	Phe	Phe	Ser	Thr	Phe	Thr	Asp	Leu	Asp	Ser
			100					105					110		
Phe	Leu	Leu	Thr	Ser	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	His
	115						120					125			
Pro	Leu	His	Tyr	Thr	Thr	Ile	Met	Ser	Gln	Asn	Leu	Cys	Val	Leu	Leu
	130					135					140				
Val	Val	Met	Ser	Trp	Val	Leu	Ser	Ser	Ala	Asn	Ala	Leu	Val	His	Thr
145					150					155					160
Leu	Leu	Leu	Ala	Arg	Leu	Ser	His	Phe	Arg	Asn	Asn	Thr	Ile	Pro	His
			165						170					175	
Tyr	Phe	Cys	Glu	Pro	Ser	Ala	Leu	Leu	Ser	Leu	Ser	Ser	Ser	Asp	Thr
		180						185					190		
Thr	Ile	Asn	Glu	Met	Val	Ile	Leu	Pro	Leu	Gly	Thr	Leu	Val	Ile	Thr
	195					200						205			
Leu	Pro	Phe	Ile	Cys	Ile	Leu	Val	Ser	Tyr	Gly	Arg	Ile	Gly	Val	Thr
	210					215				220					
Ile	Leu	Arg	Thr	Pro	Ser	Ile	Lys	Gly	Ile	Cys	Lys	Ala	Leu	Ser	Thr
225					230					235					240
Cys	Gly	Ser	His	Leu	Ser	Val	Val	Cys	Leu	Tyr	Tyr	Gly	Ala	Ile	Ile
			245						250					255	
Gly	Leu	Tyr	Leu	Val	Pro	Ser	Ser	Asn	Asn	Thr	Asn	Asp	Lys	Asp	Val
		260						265					270		
Ile	Val	Ala	Val	Ile	Tyr	Ser	Leu	Val	Thr	Pro	Met	Val	Asn	Pro	Phe
	275						280					285			
Ile	Tyr	Ser	Leu	Arg	Asn	Arg	Asp	Ile	Lys	Gly	Ala	Leu	Arg	Asn	Ile
	290					295					300				
Leu	Asn	Arg	Arg	Leu	Cys	Pro	Gln	Trp							
305					310										

<210> 1476
 <211> 309
 <212> PRT
 <213> Mus musculus

Met	Arg	Met	Asp	Asn	Asp	Ser	Ala	Leu	Ser	Glu	Phe	Ile	Leu	Leu	Gly
1				5					10					15	
Leu	Pro	Ile	Arg	Ala	Glu	Asp	Gln	Ala	Leu	Tyr	Ser	Val	Leu	Ile	Leu
		20						25					30		
Ala	Met	Tyr	Leu	Thr	Thr	Val	Leu	Gly	Asn	Leu	Leu	Ile	Ile	Leu	Leu
	35					40						45			
Ile	Arg	Leu	Asp	Ser	His	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Ser
	50					55					60				
His	Leu	Ala	Phe	Thr	Asp	Ile	Ser	Phe	Ser	Ser	Val	Thr	Ala	Pro	Lys
65					70					75					80
Met	Leu	Val	Asn	Met	Leu	Thr	His	Ser	Lys	Ser	Ile	Pro	Tyr	Thr	Gly

				85					90				95				
Cys	Val	Ser	Gln	Val	Tyr	Phe	Phe	Thr	Val	Phe	Ala	Ser	Ile	Asp	Ser		
			100					105					110				
Phe	Leu	Leu	Thr	Ser	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	His		
		115					120					125					
Pro	Leu	His	Tyr	Asn	Ile	Ile	Met	Asn	Leu	Arg	Leu	Cys	Val	Leu	Leu		
	130					135					140						
Val	Val	Ile	Ser	Trp	Ala	Leu	Ser	Leu	Thr	Asn	Ala	Leu	Ala	His	Thr		
145					150					155					160		
Leu	Leu	Leu	Ala	Arg	Leu	Ser	His	Phe	Arg	Asn	Asn	Thr	Ile	Pro	His		
				165					170					175			
Tyr	Phe	Cys	Asp	Leu	Ser	Thr	Leu	Leu	Lys	Leu	Ser	Ser	Ser	Asp	Thr		
			180					185					190				
Thr	Ile	Asn	Glu	Leu	Val	Ile	Phe	Val	Leu	Gly	Asn	Val	Val	Ile	Thr		
		195					200					205					
Leu	Pro	Phe	Ile	Cys	Ile	Leu	Val	Ser	Tyr	Gly	Tyr	Ile	Gly	Val	Thr		
	210					215					220						
Ile	Leu	Lys	Thr	Pro	Ser	Ile	Lys	Gly	Ile	His	Lys	Ala	Leu	Ser	Thr		
225					230					235					240		
Cys	Gly	Ser	His	Leu	Cys	Val	Val	Ser	Leu	Tyr	Tyr	Gly	Ala	Ile	Ile		
				245					250					255			
Gly	Leu	Tyr	Phe	Val	Pro	Ser	Ser	Asn	Asn	Thr	Asn	Asp	Lys	Asp	Val		
			260					265					270				
Ile	Val	Ala	Val	Met	Tyr	Thr	Val	Val	Ile	Pro	Met	Leu	Asn	Pro	Phe		
		275					280					285					
Ile	Tyr	Ser	Leu	Arg	Asn	Arg	Asp	Met	Lys	Arg	Thr	Leu	Arg	Asn	Ile		
	290					295					300						
Leu	Ser	Arg	Thr	Lys													
305																	

<210> 1477

<211> 312

<212> PRT

<213> Mus musculus

<400> 1477

Met	Lys	Arg	Asp	Asn	Glu	Ser	Thr	Val	Ser	Glu	Phe	Ile	Leu	Leu	Gly		
1				5					10					15			
Leu	Pro	Ile	Arg	Ala	Glu	Asp	Gln	Gly	Leu	Tyr	Ser	Ala	Leu	Phe	Leu		
			20					25					30				
Ala	Met	Tyr	Leu	Thr	Thr	Met	Leu	Gly	Asn	Leu	Leu	Ile	Ile	Leu	Leu		
		35					40					45					
Ile	Arg	Leu	Asp	Ser	His	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Ser		
	50					55					60						
His	Leu	Ala	Phe	Thr	Asp	Ile	Ser	Phe	Ser	Ser	Val	Thr	Ala	Pro	Lys		
65					70					75					80		
Met	Leu	Met	Asn	Met	Leu	Thr	His	Ser	Gln	Ser	Ile	Ser	Tyr	Ala	Gly		
				85					90					95			
Cys	Val	Ser	Gln	Met	Tyr	Phe	Tyr	Ile	Val	Phe	Ala	Asp	Leu	Glu	Asn		
			100					105					110				
Phe	Leu	Leu	Thr	Ser	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	His		
		115					120					125					
Pro	Leu	His	Tyr	Thr	Thr	Ile	Met	Ser	Gln	Ser	Leu	Cys	Leu	Phe	Leu		
	130					135					140						
Val	Val	Val	Ser	Trp	Ala	Leu	Ser	Ser	Gly	Asn	Ala	Leu	Val	His	Thr		
145					150					155					160		
Leu	Leu	Leu	Ala	Lys	Leu	Ser	His	Phe	Arg	Asn	Asn	Thr	Val	Pro	His		
				165					170					175			

Tyr	Phe	Cys	Asp	Leu	Ser	Ala	Met	Leu	Lys	Leu	Ser	Ser	Ser	Asp	Thr
			180					185					190		
Thr	Ile	Asn	Glu	Leu	Leu	Ile	Leu	Thr	Leu	Gly	Thr	Met	Val	Thr	Ile
		195					200					205			
Pro	Pro	Phe	Ile	Cys	Ile	Leu	Val	Ser	Tyr	Val	Arg	Ile	Gly	Val	Thr
		210				215					220				
Ile	Leu	Arg	Thr	Pro	Ser	Ile	Lys	Gly	Ile	Cys	Lys	Ala	Leu	Ser	Thr
225					230					235					240
Cys	Gly	Ser	His	Leu	Cys	Val	Val	Ser	Leu	Tyr	Tyr	Gly	Ala	Ile	Ile
			245						250					255	
Ala	Leu	Tyr	Phe	Val	Pro	Ser	Ser	Asn	Asn	Thr	Asn	Asp	Lys	Asp	Val
			260					265					270		
Ile	Val	Ala	Leu	Met	Tyr	Thr	Val	Val	Thr	Pro	Met	Leu	Asn	Pro	Phe
		275					280						285		
Ile	Tyr	Ser	Leu	Arg	Asn	Arg	Asp	Met	Lys	Gly	Ala	Leu	Arg	Asn	Val
	290				295						300				
Leu	Ser	Arg	Arg	Leu	Cys	Ser	Gln								
305					310										

<210> 1478

<211> 306

<212> PRT

<213> Mus musculus

<400> 1478

Met	Asp	Asn	Glu	Ser	Thr	Val	Ser	Glu	Phe	Ile	Leu	Leu	Gly	Leu	Pro
1				5					10					15	
Ile	Arg	Ala	Glu	Asp	Gln	Ala	Val	Tyr	Ser	Ala	Leu	Phe	Leu	Val	Leu
			20					25					30		
Tyr	Leu	Thr	Thr	Val	Leu	Gly	Asn	Leu	Leu	Ile	Ile	Leu	Leu	Ile	Arg
		35				40						45			
Leu	Asp	Ser	His	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Ser	His	Leu
	50					55					60				
Ala	Phe	Thr	Asp	Ile	Ser	Phe	Ser	Ser	Val	Thr	Ala	Pro	Lys	Met	Leu
65					70					75					80
Val	Asn	Met	Leu	Thr	His	Ser	Gln	Ser	Ile	Ser	Tyr	Ala	Gly	Cys	Ile
			85						90					95	
Ser	Gln	Glu	Tyr	Phe	Phe	Thr	Val	Phe	Ala	Gly	Ile	Asp	Ser	Phe	Leu
		100						105					110		
Leu	Thr	Ser	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	His	Pro	Leu
		115				120						125			
His	Tyr	Ile	Thr	Ile	Met	Asn	Gln	Asn	Leu	Cys	Val	Leu	Leu	Val	Val
	130					135						140			
Val	Ser	Trp	Ala	Leu	Ser	Ser	Ala	Asn	Cys	Leu	Val	His	Thr	Leu	Leu
145					150					155					160
Leu	Ala	Cys	Leu	Ser	His	Phe	Arg	Asn	Asn	Thr	Ile	Pro	His	Tyr	Phe
			165						170					175	
Cys	Asp	Leu	Ser	Thr	Leu	Leu	Lys	Leu	Ser	Ser	Ser	Asp	Thr	Thr	Ile
			180					185					190		
Asn	Gln	Leu	Val	Ile	Leu	Val	Leu	Gly	Asn	Val	Val	Ile	Ser	Leu	Pro
		195					200					205			
Phe	Ile	Cys	Ile	Leu	Val	Ser	Tyr	Gly	Arg	Ile	Gly	Val	Thr	Ile	Met
	210					215					220				
Lys	Ala	Pro	Ser	Ile	Lys	Gly	Ile	Cys	Lys	Ala	Leu	Ser	Thr	Cys	Gly
225					230					235					240
Ser	His	Leu	Cys	Val	Val	Ser	Leu	Tyr	Phe	Gly	Ser	Ile	Ile	Gly	Leu
			245						250					255	
Tyr	Cys	Val	Pro	Ser	Ser	Asn	Asn	Ile	Asn	Glu	Asn	Asn	Ala	Ile	Val

<212> PRT

<213> Mus musculus

<400> 1480

```
Met Arg Arg Asp Asn Glu Ser Thr Val Ser Glu Phe Ile Leu Leu Gly
 1      5      10      15
Leu Pro Ile Arg Ala Glu Glu Gln Gly Met Tyr Phe Ala Leu Phe Leu
 20      25      30
Ala Met Tyr Leu Thr Thr Val Leu Gly Asn Leu Leu Ile Ile Leu Leu
 35      40      45
Ile Arg Leu Asp Ser His Leu His Ile Pro Met Tyr Phe Phe Leu Ser
 50      55      60
His Leu Ala Phe Thr Asp Ile Ser Phe Ser Ser Val Thr Ala Pro Lys
 65      70      75      80
Met Leu Val Asn Met Leu Thr His Ser Gln Ser Ile Ser Tyr Thr Gly
 85      90      95
Cys Val Ser Gln Val Tyr Phe Phe Ala Ile Phe Ala Asp Leu Asp Ser
100      105      110
Phe Leu Leu Thr Ser Met Ala Tyr Asp Arg Tyr Val Ala Ile Cys His
115      120      125
Pro Leu His Tyr Ser Gln Thr Met Ser Gln Thr Leu Cys Val Leu, Leu
130      135      140
Val Leu Val Ser Trp Ala Leu Ser Ile Ala Asn Ala Leu Val Arg Thr
145      150      155      160
Leu Leu Leu Ala His Leu Ser His Phe Arg Asp Asn Thr Ile Pro His
165      170      175
Tyr Phe Cys Asp Leu Ser Asp Trp Leu Lys Leu Ser Ser Ser Asp Thr
180      185      190
Thr Ile Asn Glu Leu Val Ile Leu Val Leu Gly Asn Val Val Ile Thr
195      200      205
Leu Pro Phe Ile Cys Ile Leu Val Ser Tyr Gly His Ile Gly Val Thr
210      215      220
Ile Leu Lys Thr Pro Ser Ile Lys Gly Ile Cys Lys Ala Leu Ser Thr
225      230      235      240
Cys Gly Ser His Leu Cys Val Val Ser Leu Tyr Tyr Gly Ala Ile Ile
245      250      255
Gly Leu Tyr Phe Val Pro Ser Ser Asn Asn Thr Asn Asp Lys Asp Ala
260      265      270
Ile Val Ala Val Met Tyr Thr Val Val Thr Pro Met Leu Asn Pro Phe
275      280      285
Ile Tyr Ser Leu Arg Asn Arg Asp Met Lys Gly Ala Leu Arg Asn Ile
290      295      300
Leu Gly Arg Arg Leu Cys Ser
305      310
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<210> 1481

<211> 313

<212> PRT

<213> Mus musculus

<400> 1481

```
Met Lys Ser Thr Arg Asn Gln Ser Ser Ala Ser Glu Phe Ile Leu Leu
 1      5      10      15
Gly Leu Pro Ile Gln Pro Glu Glu Gln Gly Met Tyr Tyr Ala Leu Phe
 20      25      30
Leu Ala Thr Tyr Leu Thr Thr Val Leu Gly Asn Leu Leu Ile Ile Leu
 35      40      45
Leu Ile Arg Leu Asp Ser His Leu His Thr Pro Met Tyr Phe Phe Leu
```

50		55		60
Ser His Leu Ala Phe Thr Asp Ile Ser Phe Ser Ser Val Thr Ala Pro				
65		70		80
Lys Met Leu Met Asn Met Leu Ile His Ser Gln Ser Ile Ser Tyr Ala				
	85		90	95
Gly Cys Ile Ser Gln Val Tyr Phe Phe Leu Phe Phe Ala Asp Leu Asp				
	100		105	110
Ser Phe Leu Leu Thr Ser Met Ala Tyr Asp Arg Tyr Val Ala Ile Cys				
	115		120	125
His Pro Leu His Tyr Thr Arg Ile Met Ser Gln Ser Ile Cys Ile Leu				
	130		135	140
Leu Val Ile Glu Ser Trp Phe Leu Ser Phe Ala Gly Ala Leu Val His				
	145		150	160
Thr Ile Leu Leu Ala Arg Leu Ser Phe Phe Arg Gly Asn Thr Val His				
	165		170	175
His Phe Phe Cys Asp Leu Ser Ala Leu Ile Lys Leu Ser Ser Ser Asp				
	180		185	190
Thr Ser Ile Asn Glu Leu Val Ile Leu Val Val Gly Ser Leu Val Ile				
	195		200	205
Thr Val Pro Phe Val Cys Ile Leu Val Ser Tyr Gly Arg Ile Gly Ala				
	210		215	220
Thr Ile Leu Lys Thr Pro Ser Ile Lys Gly Ile Cys Lys Ala Leu Ser				
	225		230	240
Thr Cys Gly Ser His Leu Ser Val Val Ser Leu Tyr Tyr Gly Ala Ile				
	245		250	255
Ile Gly Leu Tyr Phe Val Pro Ser Ser Asn Asp Thr Asn Asp Lys Asp				
	260		265	270
Val Ile Val Ala Val Met Tyr Thr Met Val Thr Pro Met Leu Asn Pro				
	275		280	285
Phe Ile Tyr Ser Leu Arg Asn Arg Asp Met Lys Gly Ala Leu Arg Asn				
	290		295	300
Met Leu Ala Arg Ala Thr Ser Ser Met				
305		310		

<210> 1482
 <211> 312
 <212> PRT
 <213> Mus musculus

<400> 1482

Met Thr Glu Gly Asn Glu Ser Ile Val Ser Glu Phe Ile Leu Leu Gly	
1	5
Leu Pro Ile Gln Pro Glu Asp Gln Asp Leu Tyr Ser Ala Leu Phe Leu	
	20
Ala Met Tyr Leu Thr Thr Val Leu Gly Asn Leu Leu Ile Ile Leu Leu	
	35
Ile Arg Leu Asp Ser His Leu His Thr Pro Met Tyr Phe Phe Leu Ser	
	50
His Leu Ala Phe Thr Asp Ile Ser Phe Ser Ser Val Thr Ala Pro Lys	
65	70
Met Leu Met Asn Met Leu Thr His Ser Gln Ser Ile Ser Tyr Ala Gly	
	85
Cys Val Phe Gln Val Tyr Phe Phe Leu Phe Phe Ala Asp Leu Asp Asn	
	100
Phe Leu Leu Thr Ser Met Ala Tyr Asp Arg Tyr Val Ala Ile Cys His	
	115
Pro Leu His Tyr Thr Thr Met Met Ser Gln Asn Leu Cys Val Leu Leu	
	130
	135
	140

Val	Val	Val	Ser	Trp	Thr	Leu	Ser	Thr	Ala	Asn	Ala	Leu	Val	His	Thr	
145					150					155					160	
Leu	Leu	Leu	Ala	Arg	Leu	Thr	His	Phe	Arg	Asp	Asn	Thr	Ile	Ser	His	
			165						170						175	
Tyr	Phe	Cys	Asp	Leu	Ser	Thr	Leu	Leu	Lys	Leu	Ser	Ser	Ser	Asp	Thr	
			180						185					190		
Thr	Thr	Asn	Lys	Leu	Val	Ile	Leu	Leu	Gly	Asn	Val	Ile	Ile	Thr		
		195					200				205					
Leu	Pro	Phe	Ile	Cys	Ile	Leu	Val	Ser	Tyr	Gly	Leu	Ile	Ala	Val	Thr	
	210					215					220					
Ile	Leu	Lys	Ile	Pro	Ser	Met	Lys	Gly	Ile	Cys	Lys	Ala	Leu	Ser	Thr	
225					230					235					240	
Cys	Gly	Ser	His	Leu	Cys	Val	Val	Ser	Leu	Tyr	Tyr	Gly	Ala	Ile	Ile	
				245					250						255	
Gly	Leu	Tyr	Phe	Val	Pro	Ser	Ser	Asn	Thr	Asn	Val	Gln	Asp	Ala		
			260					265				270				
Ile	Val	Ala	Val	Met	Tyr	Asn	Val	Val	Thr	Pro	Met	Leu	Asn	Pro	Phe	
		275					280					285				
Ile	Tyr	Ser	Leu	Arg	Asn	Gln	Asp	Met	Lys	Gly	Ala	Leu	Arg	Asn	Ile	
	290					295					300					
Leu	Ser	Arg	Arg	Leu	Cys	Leu	Gln									
305					310											

<210> 1483

<211> 310

<212> PRT

<213> Mus musculus

<400> 1483

Met	Glu	Asn	Glu	Ser	Ser	Val	Ser	Glu	Phe	Phe	Leu	Gln	Gly	Ile	Ser	
1				5					10					15		
Gly	Phe	Ser	Glu	Gln	Gln	Gln	Leu	Leu	Tyr	Gly	Leu	Phe	Leu	Cys	Met	
			20					25					30			
Tyr	Leu	Val	Thr	Leu	Thr	Gly	Asn	Val	Leu	Ile	Ile	Leu	Ala	Ile	Gly	
		35					40					45				
Ser	Asp	Pro	His	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Ala	Asn	Leu	
	50					55					60					
Ser	Phe	Ala	Asp	Met	Gly	Leu	Ile	Ser	Ser	Thr	Val	Thr	Lys	Met	Leu	
65					70					75					80	
Phe	Asn	Val	Gln	Thr	Arg	Cys	His	Thr	Ile	Ser	Tyr	Thr	Gly	Cys	Leu	
				85					90					95		
Thr	Gln	Met	Tyr	Phe	Phe	Leu	Met	Phe	Gly	Asp	Leu	Asp	Ser	Phe	Leu	
			100					105					110			
Leu	Ala	Val	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	His	Pro	Leu	
		115				120						125				
His	Tyr	Ser	Thr	Ile	Met	Ser	Ala	Arg	Val	Cys	Ala	Leu	Met	Leu	Ala	
	130					135					140					
Leu	Cys	Trp	Val	Leu	Thr	Asn	Ile	Val	Ala	Leu	Thr	His	Thr	Leu	Leu	
145					150					155					160	
Met	Ala	Arg	Leu	Ser	Phe	Cys	Val	Val	Gly	Glu	Ile	Ala	His	Phe	Phe	
				165					170						175	
Cys	Asp	Ile	Thr	Pro	Val	Leu	Lys	Leu	Ser	Cys	Ser	Asp	Thr	His	Val	
			180					185					190			
Asn	Glu	Leu	Met	Val	Phe	Ala	Leu	Gly	Gly	Thr	Val	Leu	Met	Val	Pro	
		195					200					205				
Phe	Val	Cys	Ile	Val	Ile	Ser	Tyr	Ile	His	Ile	Val	Phe	Ala	Ile	Leu	
	210					215					220					
Lys	Val	Arg	Thr	Pro	Gly	Gly	Gly	Thr	Lys	Ala	Phe	Ser	Thr	Cys	Ser	

<210> 1485
 <211> 315
 <212> PRT
 <213> Mus musculus

<400> 1485

Met	Ser	Cys	Ile	Ile	Arg	Asn	Asn	His	Ser	Ile	Thr	Ser	Glu	Phe	Ile
1				5					10					15	
Leu	Leu	Gly	Leu	Pro	Ile	Asn	Pro	Glu	Leu	Asn	Gly	Met	Tyr	Ser	Ala
			20					25					30		
Leu	Phe	Leu	Ala	Met	Tyr	Leu	Thr	Thr	Val	Leu	Gly	Asn	Leu	Leu	Ile
		35					40					45			
Ile	Leu	Leu	Ile	Arg	Leu	Asp	Pro	His	Leu	His	Thr	Pro	Met	Tyr	Phe
		50				55					60				
Phe	Leu	Ser	His	Leu	Ala	Phe	Thr	Asp	Ile	Ser	Phe	Ser	Ser	Val	Thr
65					70					75					80
Ala	Pro	Lys	Met	Leu	Val	Asn	Met	Leu	Thr	His	Ser	Gln	Ser	Ile	Ser
				85					90					95	
Tyr	Thr	Gly	Cys	Ile	Ser	Gln	Val	Tyr	Phe	Phe	Leu	Phe	Phe	Ala	Asp
		100						105					110		
Leu	Asp	Ser	Phe	Leu	Leu	Thr	Ser	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala
		115					120					125			
Ile	Cys	His	Pro	Leu	His	Tyr	Thr	Thr	Ile	Met	Ser	Gln	Ser	Leu	Cys
		130				135						140			
Val	Leu	Leu	Leu	Ile	Val	Ser	Trp	Val	Leu	Ser	Phe	Ala	Ser	Ala	Ile
145					150					155					160
Leu	His	Thr	Leu	Leu	Leu	Ala	His	Leu	Ser	Phe	Ser	Gly	Gly	Asn	Thr
				165					170					175	
Leu	Pro	His	Phe	Cys	Asp	Leu	Ser	Ala	Leu	Leu	Lys	Leu	Ser	Ser	
			180				185					190			
Ser	Asp	Thr	Thr	Ile	Asn	Glu	Leu	Val	Ile	Phe	Thr	Val	Gly	Val	Val
		195					200					205			
Ile	Ile	Thr	Val	Pro	Leu	Ile	Cys	Ile	Leu	Val	Ser	Tyr	Gly	Tyr	Ile
		210				215					220				
Gly	Ala	Thr	Ile	Leu	Arg	Thr	Pro	Ser	Ile	Lys	Gly	Ile	Tyr	Lys	Ala
225					230					235					240
Leu	Ser	Thr	Cys	Gly	Ser	His	Leu	Ser	Val	Val	Ser	Leu	Tyr	Tyr	Gly
				245					250					255	
Ala	Ile	Ile	Gly	Leu	Tyr	Ser	Phe	Pro	Ser	Pro	Asn	Asn	Ser	Asn	Asn
			260					265					270		
Lys	Asp	Val	Ile	Val	Ala	Val	Met	Tyr	Thr	Met	Val	Thr	Pro	Met	Leu
		275					280					285			
Asn	Pro	Phe	Ile	Tyr	Ser	Leu	Arg	Asn	Arg	Asp	Ile	Lys	Gly	Ala	Leu
	290					295					300				
Arg	Asn	Ile	Leu	Gly	Arg	Lys	Ala	Ser	Ser	Gln					
305					310					315					

<210> 1486
 <211> 317
 <212> PRT
 <213> Mus musculus

<400> 1486

Met	Gly	Lys	Ile	Ser	Arg	Val	Asn	Gln	Ser	Val	Ala	Ser	Asp	Phe	Leu
1				5					10					15	
Leu	Leu	Gly	Leu	Ser	Glu	Gln	Pro	Gly	Glu	Gln	Pro	Leu	Leu	Phe	Gly

			20					25					30				
Ile	Phe	Leu	Gly	Met	Tyr	Leu	Val	Thr	Met	Val	Gly	Asn	Leu	Leu	Ile		
	35						40					45					
Ile	Phe	Val	Ile	Ser	Ser	Asp	Ala	His	Leu	His	Thr	Pro	Met	Tyr	Phe		
	50					55					60						
Phe	Leu	Ala	Asn	Leu	Ser	Leu	Thr	Asp	Ala	Cys	Phe	Thr	Ser	Ala	Ser		
65					70					75					80		
Val	Pro	Lys	Met	Leu	Ala	Asn	Ile	Tyr	Thr	Gln	Ser	Gln	Thr	Ile	Ser		
			85						90					95			
Tyr	Ser	Gly	Cys	Leu	Thr	Gln	Leu	Tyr	Phe	Leu	Leu	Met	Phe	Gly	Gly		
		100					105						110				
Leu	Asp	Asn	Cys	Leu	Leu	Ala	Val	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala		
	115						120					125					
Ile	Cys	Gln	Pro	Leu	His	Tyr	Ser	Thr	Ala	Met	Ser	Pro	Gln	Leu	Cys		
	130					135					140						
Ala	Leu	Met	Leu	Cys	Thr	Cys	Trp	Val	Leu	Thr	Asn	Cys	Pro	Ala	Leu		
145					150					155					160		
Met	His	Thr	Leu	Leu	Leu	Thr	Arg	Val	Ala	Phe	Cys	Ala	His	Thr	Ala		
			165					170						175			
Ile	Pro	His	Phe	Tyr	Cys	Asp	Pro	Ser	Ala	Leu	Leu	Lys	Leu	Ala	Cys		
		180					185						190				
Ser	Asp	Thr	His	Ile	Asn	Glu	Leu	Met	Ile	Ile	Thr	Met	Gly	Leu	Val		
	195					200						205					
Phe	Leu	Ala	Val	Pro	Leu	Met	Leu	Ile	Val	Phe	Ser	Tyr	Val	Cys	Ile		
	210					215					220						
Ser	Trp	Ala	Val	Leu	Gly	Ile	Pro	Ser	Ser	Gly	Gly	Arg	Trp	Lys	Ala		
225					230					235					240		
Phe	Ser	Thr	Cys	Gly	Ser	His	Leu	Thr	Val	Val	Leu	Leu	Phe	Tyr	Gly		
			245					250						255			
Ser	Leu	Met	Gly	Val	Tyr	Leu	Leu	Pro	Pro	Ser	Thr	His	Ser	Thr	Glu		
		260						265					270				
Arg	Glu	Ser	Arg	Ala	Ala	Val	Leu	Tyr	Met	Ile	Val	Ile	Pro	Met	Leu		
	275						280					285					
Asn	Pro	Phe	Ile	Tyr	Ser	Leu	Arg	Asn	Arg	Asp	Met	Lys	Glu	Ala	Met		
	290					295				300							
Gly	Lys	Leu	Phe	Gly	Gly	Gly	Lys	Thr	Val	Phe	Leu	Leu					
305					310					315							

<210> 1487

<211> 309

<212> PRT

<213> Mus musculus

<400> 1487

Met	Arg	Met	Asp	Asn	Glu	Ser	Thr	Val	Ser	Glu	Phe	Ile	Leu	Leu	Gly		
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Leu	Pro	Ile	Arg	Ala	Lys	Asp	Gln	Ala	Val	Tyr	Ser	Ala	Leu	Ile	Leu		
		20					25						30				
Ala	Met	Tyr	Leu	Thr	Thr	Val	Leu	Gly	Asn	Leu	Leu	Ile	Ile	Leu	Leu		
	35					40						45					
Ile	Arg	Leu	Asp	Pro	His	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Ser		
	50				55						60						
His	Leu	Ala	Leu	Thr	Asp	Ile	Ser	Phe	Ser	Ser	Val	Thr	Val	Pro	Arg		
65					70					75					80		
Met	Leu	Val	Asn	Met	Leu	Thr	Gln	Ser	Gln	Ser	Ile	Ser	Tyr	Thr	Gly		
			85					90					95				
Cys	Ile	Ser	Gln	Val	Tyr	Phe	Phe	Ile	Val	Phe	Gly	Ser	Ile	Asp	Ser		
		100						105					110				

Phe	Leu	Leu	Pro	Ser	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	His
	115						120				125				
Pro	Leu	His	Tyr	Thr	Leu	Ile	Met	Asn	Leu	Asn	Leu	Cys	Val	Leu	Leu
	130					135					140				
Val	Val	Val	Ser	Trp	Ala	Leu	Ser	Leu	Val	Asn	Ala	Leu	Val	His	Thr
145					150					155					160
Leu	Leu	Leu	Ala	Arg	Leu	Ser	His	Phe	Arg	Asn	Asn	Ile	Ile	Pro	His
				165					170					175	
Tyr	Phe	Cys	Asp	Leu	Ser	Ala	Leu	Leu	Lys	Leu	Ser	Ser	Ser	Asp	Thr
			180					185						190	
Ser	Ile	Asn	Glu	Leu	Val	Ile	Leu	Val	Leu	Gly	Asn	Val	Val	Ile	Thr
		195					200					205			
Leu	Pro	Phe	Ile	Cys	Ile	Leu	Val	Ser	Tyr	Gly	Tyr	Ile	Gly	Val	Thr
	210					215					220				
Ile	Leu	Lys	Thr	Pro	Ser	Thr	Lys	Gly	Ile	Arg	Lys	Ala	Leu	Ser	Thr
225					230					235					240
Cys	Gly	Ser	His	Leu	Cys	Val	Val	Ser	Leu	Tyr	Tyr	Gly	Ser	Val	Ile
				245					250					255	
Gly	Leu	Tyr	Cys	Val	Pro	Ser	Ser	Asn	Asn	Thr	Asn	Asp	Lys	Asp	Ala
			260					265					270		
Ile	Val	Ala	Met	Met	Tyr	Thr	Val	Val	Thr	Pro	Met	Leu	Asn	Pro	Phe
		275					280					285			
Ile	Tyr	Ser	Leu	Arg	Asn	Arg	Asp	Met	Lys	Arg	Ala	Leu	Arg	Asn	Ile
	290					295					300				
Leu	Ser	Arg	Lys	Lys											
305															

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<212> PRT

<213> Mus musculus

<400> 1488

Met	Pro	Gly	Gln	Asn	Tyr	Ser	Thr	Ile	Ser	Glu	Phe	Ile	Leu	Phe	Gly
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Phe	Ser	Ala	Phe	Pro	His	Gln	Met	Leu	Pro	Ala	Leu	Phe	Leu	Leu	Tyr
		20						25					30		
Leu	Leu	Met	Tyr	Leu	Phe	Thr	Leu	Leu	Gly	Asn	Leu	Val	Ile	Met	Ala
		35					40					45			
Ala	Ile	Trp	Thr	Glu	His	Arg	Leu	His	Thr	Pro	Met	Tyr	Leu	Phe	Leu
	50					55				60					
Cys	Ala	Leu	Ser	Ile	Ser	Glu	Ile	Leu	Phe	Thr	Val	Val	Ile	Thr	Pro
65					70					75					80
Arg	Met	Leu	Ser	Asp	Met	Leu	Ser	Thr	His	Arg	Ser	Ile	Thr	Phe	Ile
			85						90					95	
Ala	Cys	Ala	Asn	Gln	Leu	Phe	Phe	Ser	Phe	Thr	Phe	Gly	Tyr	Thr	His
			100					105					110		
Ser	Phe	Leu	Leu	Val	Val	Met	Gly	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys
		115					120					125			
Arg	Pro	Leu	His	Tyr	His	Ala	Leu	Met	Ser	Leu	Gln	Gly	Cys	Ala	Arg
	130					135					140				
Leu	Val	Ala	Trp	Ser	Trp	Ala	Gly	Gly	Ser	Leu	Ile	Gly	Met	Ala	Leu
145					150					155					160
Thr	Ile	Ile	Ile	Phe	His	Leu	Thr	Phe	Cys	Glu	Ser	Asn	Val	Ile	His
				165					170					175	
His	Ile	Leu	Cys	His	Val	Phe	Ser	Leu	Leu	Lys	Leu	Ala	Cys	Gly	Glu
			180					185					190		
Arg	Thr	Ala	Phe	Val	Thr	Ile	Ala	Val	Ile	Leu	Val	Cys	Val	Thr	Pro

Leu	Ile	Gly	Cys	Leu	Val	Phe	Ile	Ile	Leu	Ser	Tyr	Ile	Phe	Ile	Val
210						215					220				
Ala	Ala	Ile	Leu	Arg	Ile	Pro	Ser	Thr	Glu	Gly	Arg	His	Lys	Thr	Phe
225					230					235					240
Ser	Thr	Cys	Ala	Ser	His	Leu	Thr	Val	Val	Ile	Val	His	Tyr	Gly	Phe
				245					250					255	
Ala	Ser	Ile	Ile	Tyr	Leu	Lys	Ser	Arg	Gly	Leu	Tyr	Ser	Gln	Tyr	Thr
			260					265					270		
Asp	Thr	Leu	Met	Ser	Thr	Thr	Tyr	Thr	Val	Phe	Thr	Pro	Phe	Leu	Ser
		275					280					285			
Pro	Ile	Ile	Phe	Ser	Leu	Arg	Asn	Lys	Glu	Leu	Lys	Asn	Ala	Ile	Ile
	290					295					300				
Lys	Ser	Phe	His	Arg	Asn	Val	Cys	Gln	Gln	Ser	Ile				
305					310					315					

<210> 1489

<211> 315

<212> PRT

<213> Mus musculus

<400> 1489

Met	Glu	Glu	Gly	Asn	Gln	Thr	Gly	Met	Val	Leu	Phe	His	Phe	Arg	Pro
1				5					10					15	
Phe	Ser	Lys	Leu	Pro	Glu	Val	Gln	Met	Leu	Ile	Phe	Val	Leu	Phe	Leu
			20				25					30			
Met	Met	Tyr	Leu	Val	Ser	Ile	Gly	Gly	Asn	Met	Ser	Ile	Val	Leu	Thr
		35					40					45			
Ile	Trp	Thr	Asn	Arg	Cys	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Ala
	50					55					60				
Asn	Leu	Ala	Ser	Leu	Glu	Ile	Phe	Tyr	Ser	Ser	Thr	Ile	Ala	Pro	Leu
65					70				75					80	
Thr	Leu	Ala	Ser	Ile	Leu	Ser	Thr	Glu	Arg	Thr	Val	Val	Ser	Leu	Ala
				85				90						95	
Gly	Cys	Gly	Ala	Gln	Met	Phe	Phe	Phe	Ile	Phe	Leu	Gly	Ser	Ala	Asp
			100				105						110		
Cys	Ile	Leu	Leu	Ala	Val	Met	Ala	Tyr	Asp	Arg	Phe	Val	Ala	Ile	Cys
		115					120					125			
His	Pro	Leu	Arg	Tyr	Thr	Leu	Ile	Met	Ser	Trp	His	Leu	Cys	Val	Gln
	130					135					140				
Leu	Ala	Leu	Gly	Ser	Leu	Leu	Leu	Gly	Phe	Ile	Leu	Ala	Met	Gln	Leu
145					150					155				160	
Thr	Val	Leu	Ile	Phe	Arg	Leu	Pro	Phe	Cys	Ser	Ser	Lys	Glu	Ile	Ser
				165				170						175	
Leu	Phe	Tyr	Cys	Asp	Val	Leu	Pro	Val	Met	Arg	Leu	Ala	Cys	Ala	Asp
			180					185					190		
Thr	His	Val	His	Glu	Ala	Thr	Leu	Phe	Val	Val	Ser	Val	Ile	Val	Leu
		195					200					205			
Thr	Ile	Pro	Phe	Leu	Leu	Ile	Thr	Leu	Ser	Tyr	Val	Phe	Ile	Val	Asp
	210					215					220				
Ala	Ile	Leu	Lys	Ile	Arg	Ser	Ala	Glu	Gly	Arg	His	Lys	Ala	Phe	Ser
225					230					235					240
Thr	Cys	Ser	Ser	His	Leu	Thr	Val	Val	Leu	Leu	Gln	Tyr	Gly	Cys	Gly
				245					250					255	
Ser	Leu	Ile	Tyr	Leu	Cys	Pro	Ser	Ser	Tyr	Ser	Pro	Glu	Arg	Gly	
		260						265				270			
Gln	Val	Val	Ser	Val	Val	Tyr	Thr	Phe	Ile	Thr	Pro	Val	Leu	Asn	Pro
		275					280					285			

Leu Ile Tyr Ser Met Arg Asn Arg Glu Leu Lys Asp Ala Leu Arg Lys
 290 295 300
 Val Val Ile Ser Phe Leu Leu Leu Glu Lys Gln
 305 310 315

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 <213> Mus musculus

<400> 1490
 Met Asp Ser Tyr Asn Gln Thr Phe Thr Gly Phe Ile Leu Leu Gly Leu
 1 5 10 15
 Phe Pro Pro Ser Lys Ile Gly Leu Phe Leu Phe Ile Leu Ile Val Leu
 20 25 30
 Ile Phe Leu Thr Ala Trp Ile Gly Asn Leu Ser Met Ile Leu Leu Ile
 35 40 45
 Leu Leu Asp Ser His Leu His Thr Pro Met Tyr Phe Leu Leu Ser Gln
 50 55 60
 Leu Ser Leu Ile Asp Leu Asn Tyr Ile Ser Thr Ile Val Pro Lys Met
 65 70 75 80
 Val Ser Asp Phe Met Leu Gly Asn Lys Tyr Ile Ser Phe Ile Gly Cys
 85 90 95
 Gly Phe Gln Ile Phe Leu Phe Leu Thr Phe Gly Gly Ala Glu Thr Leu
 100 105 110
 Leu Leu Ala Ser Met Ala Tyr Asp Arg Tyr Val Ala Ile Cys Phe Pro
 115 120 125
 Leu His Tyr Ala Thr His Met Asn Lys Arg Val Cys Val Met Met Ile
 130 135 140
 Thr Gly Ala Trp Ile Leu Gly Ser Ile Asn Ser Cys Ala His Thr Gly
 145 150 155 160
 Tyr Ala Leu Gln Ile Pro Tyr Cys Arg Ser Arg Ala Ile Asn His Phe
 165 170 175
 Phe Cys Asp Val Pro Ala Met Leu Thr Leu Ala Cys Thr Asp Thr Trp
 180 185 190
 Val Tyr Glu Tyr Thr Val Phe Val Ser Thr Ile Leu Phe Leu Val Phe
 195 200 205
 Pro Phe Ile Gly Ile Val Cys Ser Tyr Gly Arg Val Phe Leu Ala Ile
 210 215 220
 Tyr Arg Met His Ser Arg Ala Gly Lys Lys Lys Ala Tyr Ser Thr Cys
 225 230 235 240
 Ser Thr His Leu Thr Val Val Thr Phe Tyr Tyr Ala Pro Phe Ala Tyr
 245 250 255
 Thr Tyr Leu Arg Pro Arg Ser Leu Arg Ser Pro Glu Glu Asp Lys Ile
 260 265 270
 Leu Ala Val Phe Tyr Thr Val Leu Thr Pro Met Leu Asn Pro Ile Ile
 275 280 285
 Tyr Ser Leu Arg Asn Lys Glu Val Ile Gly Ala Leu Arg Arg Met Thr
 290 295 300
 His Arg Ile Cys Phe Ala Lys Ile
 305 310

<210> 1491
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 <212> PRT
 <213> Mus musculus

<400> 1491

Met	Asn	Trp	Ile	Leu	His	Ser	Thr	Met	Val	Ser	Pro	Asn	Gln	Thr	Val
1				5					10					15	
Val	Thr	Glu	Phe	Val	Leu	Gln	Gly	Phe	Ser	Glu	His	Pro	Ser	Leu	Arg
			20					25					30		
Leu	Phe	Leu	Met	Gly	Cys	Phe	Leu	Ser	Leu	Tyr	Thr	Val	Ala	Leu	Met
		35					40					45			
Gly	Asn	Met	Val	Ile	Ile	Ala	Leu	Ile	Thr	Ser	Ser	Thr	Gly	Leu	His
	50					55					60				
Ser	Pro	Met	Tyr	Phe	Phe	Leu	Cys	Asn	Leu	Ala	Thr	Met	Asp	Ile	Ile
65					70					75				80	
Cys	Thr	Ser	Ser	Val	Leu	Pro	Lys	Ala	Leu	Val	Gly	Leu	Leu	Ser	Glu
				85					90					95	
Glu	Asn	Thr	Ile	Ser	Phe	Lys	Gly	Cys	Met	Thr	Gln	Leu	Phe	Phe	Leu
			100					105					110		
Val	Trp	Ser	Gly	Ser	Ser	Glu	Leu	Leu	Leu	Leu	Thr	Val	Met	Ala	Tyr
		115					120					125			
Asp	Arg	Tyr	Val	Ala	Ile	Cys	Leu	Pro	Leu	His	Tyr	Ser	Ser	Arg	Met
	130					135					140				
Ser	Pro	Gln	Leu	Cys	Gly	Thr	Phe	Ala	Val	Gly	Val	Trp	Ser	Ile	Cys
145					150					155				160	
Ala	Leu	Asn	Ala	Ser	Ile	Asn	Thr	Gly	Leu	Met	Thr	Arg	Leu	Ser	Phe
				165					170					175	
Cys	Gly	Pro	Lys	Val	Ile	Thr	His	Phe	Phe	Cys	Glu	Ile	Pro	Pro	Leu
			180					185					190		
Leu	Leu	Leu	Ser	Cys	Ser	Pro	Thr	Tyr	Ile	Asn	Ser	Val	Met	Thr	Leu
		195					200					205			
Val	Ala	Asp	Ala	Phe	Tyr	Gly	Gly	Ile	Asn	Phe	Leu	Leu	Thr	Leu	Leu
	210					215					220				
Ser	Tyr	Gly	Cys	Ile	Ile	Ala	Ser	Ile	Leu	Arg	Met	Arg	Ser	Ala	Glu
225					230					235				240	
Gly	Lys	Arg	Lys	Ala	Phe	Ser	Thr	Cys	Ser	Ser	His	Leu	Ile	Val	Val
				245					250					255	
Ser	Val	Tyr	Tyr	Ser	Ser	Val	Phe	Cys	Ala	Tyr	Ile	Ser	Pro	Gly	Ser
			260					265					270		
Ser	Tyr	Ser	Pro	Glu	Arg	Ser	Lys	Phe	Thr	Ser	Val	Leu	Tyr	Ser	Val
		275					280					285			
Leu	Ser	Pro	Thr	Leu	Asn	Pro	Leu	Ile	Tyr	Thr	Leu	Arg	Asn	Lys	Asp
	290					295					300				
Val	Lys	Leu	Ala	Leu	Arg	Arg	Leu	Phe	Pro	Ser	Phe	Ser	Asn		
305					310					315					

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<211> 322

<212> PRT

<213> Mus musculus

<400> 1492

Met	Pro	Leu	Glu	Ala	Glu	Ser	Ile	Met	Arg	Asn	Ser	Thr	Ala	Val	Thr
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Asp	Phe	Ile	Leu	Leu	Gly	Leu	Thr	Asp	Asp	Pro	Leu	Trp	Gln	Ile	Val
			20					25					30		
Val	Phe	Thr	Phe	Leu	Leu	Val	Thr	Tyr	Met	Leu	Ser	Val	Thr	Gly	Asn
		35					40					45			
Leu	Ile	Ile	Ile	Ile	Leu	Thr	Leu	Ser	Asp	Ala	His	Leu	Met	Thr	Pro
	50					55					60				
Met	Tyr	Phe	Phe	Leu	Arg	Asn	Phe	Ser	Leu	Leu	Glu	Ile	Ser	Phe	Thr
65					70					75				80	

Ser	Val	Cys	Ile	Pro	Arg	Phe	Leu	Val	Thr	Ile	Val	Thr	Gly	Asp	Arg	
			85						90					95		
Thr	Ile	Ser	Tyr	Asn	Gly	Cys	Val	Ala	Gln	Leu	Phe	Phe	Phe	Ile	Phe	
			100					105					110			
Leu	Gly	Val	Thr	Glu	Phe	Tyr	Leu	Leu	Ala	Ala	Met	Ser	Tyr	Asp	Arg	
		115					120					125				
Tyr	Val	Ala	Ile	Cys	Lys	Pro	Leu	His	Tyr	Thr	Thr	Ile	Met	Ser	Asn	
	130					135						140				
Arg	Val	Cys	Ile	Leu	Leu	Val	Phe	Ser	Ser	Trp	Phe	Ala	Gly	Phe	Met	
145					150					155					160	
Ile	Ile	Phe	Pro	Pro	Ile	Ile	Leu	Leu	Leu	Gln	Leu	Asp	Phe	Cys	Ala	
			165						170					175		
Ser	Asn	Ile	Ile	Asp	His	Phe	Ile	Cys	Asp	Ser	Ser	Pro	Ile	Leu	Gln	
		180						185					190			
Leu	Ser	Cys	Ser	Asn	Thr	His	Phe	Leu	Glu	Leu	Met	Ala	Phe	Ser	Leu	
		195					200					205				
Ala	Val	Val	Thr	Leu	Met	Val	Thr	Leu	Thr	Leu	Ile	Ile	Leu	Ser	Tyr	
	210					215						220				
Thr	Asn	Ile	Ile	Arg	Thr	Ile	Leu	Arg	Ile	Pro	Ser	Thr	Asn	Gln	Arg	
225					230					235					240	
Lys	Lys	Ala	Phe	Ser	Thr	Cys	Ser	Ser	His	Met	Ile	Val	Val	Ser	Leu	
			245						250					255		
Ser	Tyr	Gly	Ser	Cys	Ile	Phe	Met	Tyr	Ile	Lys	Pro	Ser	Ala	Arg	Glu	
		260						265					270			
Arg	Val	Thr	Leu	Ser	Lys	Gly	Val	Ala	Val	Leu	Asn	Thr	Ser	Val	Ala	
		275					280					285				
Pro	Leu	Leu	Asn	Pro	Phe	Ile	Tyr	Thr	Leu	Arg	Asn	Gln	Gln	Val	Lys	
	290					295					300					
Gln	Ala	Phe	Lys	Asn	Met	Ile	Gln	Arg	Ile	Phe	Phe	Ser	Ser	Lys	Asn	
305					310					315					320	
Leu	Pro															

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 <213> Mus musculus

<400> 1493

Met	Ser	Asn	His	Thr	Glu	Thr	Thr	Glu	Phe	Ile	Leu	Leu	Gly	Leu	Ser	
1			5						10					15		
Asp	Asp	Pro	Lys	Leu	Gln	Val	Val	Ile	Phe	Val	Phe	Leu	Phe	Ile	Thr	
		20						25					30			
Tyr	Thr	Leu	Ser	Ile	Thr	Gly	Asn	Leu	Thr	Ile	Ile	Thr	Leu	Thr	Leu	
		35				40						45				
Leu	Asp	Ser	His	Leu	Gln	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Arg	Asn	Phe	
	50					55					60					
Ser	Val	Leu	Glu	Val	Ser	Phe	Thr	Thr	Val	Thr	Ile	Pro	Lys	Phe	Leu	
65					70					75					80	
Gly	Thr	Ile	Ile	Ser	Gly	Asp	Lys	Thr	Ile	Ser	Phe	Asn	Asn	Cys	Ile	
			85						90					95		
Ala	Gln	Leu	Phe	Phe	Phe	Ile	Leu	Leu	Gly	Val	Thr	Glu	Phe	Tyr	Leu	
		100						105					110			
Leu	Ala	Ala	Met	Ser	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Lys	Pro	Leu	
		115					120					125				
His	Tyr	Leu	Thr	Ile	Met	Ser	Gln	Lys	Val	Cys	Thr	Met	Leu	Val	Phe	
	130				135						140					
Ala	Ser	Trp	Leu	Thr	Ser	Phe	Leu	Ile	Ile	Phe	Pro	Ala	Leu	Met	Leu	

145					150					155				160	
Leu	Leu	Gln	Leu	Asp	Tyr	Cys	Gly	Ser	Asn	Ile	Ile	Asp	His	Tyr	Thr
				165					170					175	
Cys	Asp	Tyr	Phe	Pro	Leu	Leu	Gln	Leu	Ser	Cys	Ser	Asp	Thr	Lys	Phe
			180					185					190		
Leu	Glu	Arg	Met	Gly	Phe	Ser	Cys	Ala	Val	Phe	Thr	Leu	Met	Leu	Thr
		195					200					205			
Leu	Val	Leu	Ile	Phe	Leu	Ser	Tyr	Thr	Tyr	Ile	Ile	Lys	Thr	Ile	Val
	210					215					220				
Lys	Ile	Pro	Ser	Ala	Ser	Gln	Arg	Ser	Lys	Ala	Phe	Ser	Thr	Cys	Ser
225					230					235				240	
Ser	His	Met	Ile	Val	Ile	Ser	Ile	Ser	Tyr	Gly	Ser	Cys	Ile	Phe	Met
			245					250						255	
Tyr	Ile	Lys	Pro	Ser	Ala	Thr	Asp	Arg	Ala	Ser	Leu	Thr	Lys	Gly	Val
		260					265						270		
Ala	Ile	Leu	Asn	Thr	Ser	Val	Ala	Pro	Met	Leu	Asn	Pro	Phe	Ile	Tyr
		275					280					285			
Ser	Leu	Arg	Asn	Gln	Gln	Val	Lys	Gln	Ala	Phe	Met	Asn	Met	Thr	Arg
	290					295					300				
Lys	Ile	Val	Phe	Ser	Thr	Ser	Lys								
305					310										

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 <213> Mus musculus

<400> 1494

Met	Asp	Glu	Glu	Asn	Gln	Thr	Thr	Thr	Thr	Glu	Phe	Leu	Leu	Leu	Gly
1				5					10					15	
Phe	Ser	Asp	Leu	Arg	Ala	Leu	Gln	Gly	Pro	Leu	Phe	Trp	Leu	Val	Leu
			20					25					30		
Leu	Val	Tyr	Leu	Ile	Thr	Phe	Leu	Gly	Asn	Ser	Leu	Ile	Ile	Phe	Leu
		35					40					45			
Thr	Gln	Thr	Ser	Pro	Val	Leu	His	Ser	Pro	Met	Tyr	Phe	Phe	Leu	Arg
		50				55					60				
His	Leu	Ser	Met	Val	Glu	Leu	Leu	Tyr	Thr	Thr	Asp	Ile	Val	Pro	Arg
65					70					75				80	
Val	Leu	Ala	Asp	Leu	Thr	Ser	Ser	His	Pro	Gln	Ala	Ile	Ser	Phe	Arg
			85						90					95	
Ser	Cys	Ala	Ala	Gln	Met	Tyr	Phe	Phe	Ile	Val	Leu	Gly	Ile	Ser	Glu
			100					105					110		
Cys	Cys	Leu	Leu	Thr	Ala	Met	Ala	Tyr	Asp	Arg	Tyr	Ala	Ala	Ile	Cys
		115					120					125			
Gln	Pro	Leu	His	Tyr	Ser	Thr	Leu	Met	Asn	His	Arg	Ala	Cys	Ile	Ala
	130					135					140				
Met	Val	Gly	Thr	Ser	Trp	Ile	Met	Gly	Ile	Ile	Thr	Ala	Thr	Thr	His
145					150					155					160
Ser	Ser	Leu	Ile	Phe	Thr	Leu	Pro	Phe	Pro	Ser	Arg	Pro	Ile	Ile	Pro
				165					170					175	
His	Phe	Leu	Cys	Asp	Ile	Leu	Pro	Val	Leu	Arg	Leu	Ala	Ser	Ala	Gly
			180					185					190		
Lys	His	Arg	Ser	Glu	Ile	Ser	Val	Met	Thr	Ala	Thr	Val	Val	Phe	Ile
		195					200					205			
Met	Ile	Pro	Phe	Ser	Leu	Ile	Val	Thr	Ser	Tyr	Ala	Arg	Ile	Leu	Gly
	210					215					220				
Ala	Ile	Leu	Ala	Ile	Ala	Ser	Ser	Gln	Ser	Arg	Arg	Lys	Val	Phe	Ser
225					230					235					240

<210> 1496
 <211> 311
 <212> PRT
 <213> Mus musculus

<400> 1496
 Met Arg Asn His Thr Leu Val Thr Thr Phe Ile Leu Leu Gly Leu Thr
 1 5 10 15
 Glu Asp Pro Lys Trp Gln Ile Val Ile Phe Leu Phe Leu Phe Met Thr
 20 25 30
 Tyr Val Leu Ser Ile Thr Gly Asn Leu Thr Ile Ile Leu Leu Thr Leu
 35 40 45
 Leu Asp Ser Asn Leu Lys Thr Pro Met Tyr Phe Phe Leu Gln Lys Phe
 50 55 60
 Ser Phe Leu Glu Ile Ser Leu Thr Ser Thr Cys Ile Pro Arg Phe Leu
 65 70 75 80
 Val Ser Ile Val Thr Met Asp Lys Thr Ile Ser Val Glu Ala Cys Phe
 85 90 95
 Thr Gln Leu Phe Ala Ala Phe Ile Phe Gly Ile Ala Gln Phe Phe Leu
 100 105 110
 Leu Ala Val Met Ser Tyr Asp Arg Tyr Val Ala Ile Cys Arg Pro Leu
 115 120 125
 His Tyr Thr Thr Ile Met Asn Asn Arg Val Cys Thr Leu Leu Phe Val
 130 135 140
 Ser Cys Cys Leu Ile Ala Val Phe Ala Ile Cys Pro Gly Val Ile Val
 145 150 155 160
 Ser Leu Ser Leu Glu Phe Cys Asp Thr Ile Ile Glu His Phe Phe Cys
 165 170 175
 Asp Tyr Ser Pro Ile Leu Lys Leu Ser Cys Asn Asp Thr Arg Phe Met
 180 185 190
 Gln Leu Leu Asn Phe Ile Phe Ala Ile Phe Ile Leu Leu Met Thr Leu
 195 200 205
 Ala Leu Val Met Phe Ser Tyr Gly Lys Ile Ile Ser Thr Ile Leu Arg
 210 215 220
 Phe Pro Ser Ala Gln Gln Gln Lys Lys Ala Phe Ser Thr Cys Ser Ser
 225 230 235 240
 His Met Ile Val Val Ser Ile Ser Tyr Gly Ser Cys Ile Phe Met Tyr
 245 250 255
 Ile Lys Pro Ser Ala Glu Glu Arg Ile Tyr Leu Asn Lys Gly Ile Ala
 260 265 270
 Ile Leu Thr Leu Ala Leu Ala Pro Val Leu Asn Pro Phe Ile Tyr Thr
 275 280 285
 Leu Arg Asn Lys Gln Val Lys Glu Ala Leu Lys Asp Ile Ile Lys Lys
 290 295 300
 Cys Thr Ser Ala Thr Ser Lys
 305 310

<210> 1497
 <211> 312
 <212> PRT
 <213> Mus musculus

<400> 1497
 Met Pro Asn Lys Thr Ser Ile Thr Glu Phe Ile Leu Leu Gly Leu Thr
 1 5 10 15
 Asp Asp Pro Glu Leu Gln Ile Val Ile Phe Phe Phe Leu Leu Ala Thr
 20 25 30

Tyr	Leu	Leu	Ser	Val	Ser	Gly	Asn	Met	Thr	Ile	Ile	Thr	Leu	Thr	Leu
	35						40					45			
Ser	Asn	Val	His	Leu	Lys	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Arg	Asn	Phe
	50					55					60				
Ser	Phe	Leu	Glu	Ile	Leu	Phe	Thr	Thr	Val	Cys	Ile	Pro	Arg	Phe	Leu
65					70					75					80
Ile	Ser	Ile	Ile	Thr	Gly	Asn	Thr	Ala	Ile	Ser	Tyr	Asn	Ala	Cys	Met
				85					90					95	
Ala	Gln	Val	Phe	Phe	Leu	Ile	Phe	Leu	Gly	Ala	Thr	Glu	Phe	Phe	Leu
			100					105					110		
Leu	Ala	Ala	Met	Ser	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Lys	Pro	Leu
	115					120						125			
His	Tyr	Thr	Ala	Ile	Ile	Asn	Asn	Lys	Val	Cys	Asn	Gln	Leu	Val	Ile
	130					135					140				
Ala	Ser	Trp	Ser	Ala	Gly	Phe	Leu	Ile	Val	Phe	Pro	Pro	Val	Ile	Met
145					150					155					160
Gly	Leu	Gln	Leu	Glu	Phe	Cys	Asp	Ser	Asn	Ile	Ile	Asp	His	Phe	Thr
				165					170					175	
Cys	Asp	Ser	Ser	Pro	Met	Leu	Gln	Ile	Ala	Cys	Thr	Asp	Thr	Lys	Ile
		180						185					190		
Leu	Glu	Leu	Met	Ala	Phe	Phe	Leu	Ala	Val	Phe	Thr	Leu	Ile	Val	Thr
	195						200					205			
Leu	Ala	Leu	Val	Ile	Leu	Ser	Tyr	Thr	Leu	Ile	Leu	Arg	Thr	Ile	Leu
	210					215					220				
Lys	Ile	Pro	Ser	Ala	Glu	Gln	Arg	Lys	Lys	Ala	Phe	Ser	Thr	Cys	Ser
225					230					235					240
Ser	His	Met	Ile	Val	Val	Ser	Ile	Ser	Tyr	Gly	Ser	Cys	Ile	Phe	Met
				245					250					255	
Tyr	Val	Lys	Thr	Ser	Ala	Arg	Glu	Gly	Val	Val	Leu	Ser	Lys	Gly	Val
			260					265					270		
Ala	Met	Leu	Asn	Thr	Ser	Val	Ala	Pro	Met	Leu	Asn	Pro	Phe	Ile	Tyr
	275						280					285			
Thr	Leu	Arg	Asn	Gln	Gln	Val	Lys	Gln	Ala	Phe	Lys	Asp	Phe	Thr	Arg
	290					295					300				
Lys	Leu	Leu	Ala	Ser	Lys	Lys	His								
305					310										

<210> 1498

<211> 311

<212> PRT

<213> Mus musculus

<400> 1498

Met	Lys	Asn	Arg	Thr	Val	Thr	Thr	Phe	Ile	Leu	Leu	Gly	Leu	Thr	Asp
1				5					10					15	
Asp	Ile	Arg	Leu	Gln	Thr	Leu	Leu	Phe	Ile	Phe	Leu	Leu	Phe	Ser	Tyr
			20					25					30		
Met	Leu	Ser	Leu	Ser	Gly	Asn	Leu	Thr	Ile	Ile	Thr	Leu	Thr	Leu	Ile
		35					40					45			
Asp	Pro	His	Leu	Lys	Thr	Pro	Met	Tyr	Ile	Phe	Leu	Lys	Asn	Phe	Ser
	50					55					60				
Phe	Leu	Glu	Ile	Ser	Leu	Thr	Thr	Ala	Cys	Ile	Pro	Arg	Phe	Leu	Tyr
65					70					75					80
Ser	Leu	Ser	Ser	Gly	Asp	Lys	Ser	Ile	Ala	Tyr	Ala	Ala	Cys	Ile	Ser
				85					90					95	
Gln	Leu	Leu	Phe	Ile	Asp	Ile	Phe	Ala	Val	Thr	Glu	Phe	Phe	Leu	Leu
			100					105					110		
Ala	Ile	Met	Ser	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Lys	Pro	Leu	His

Ile	Thr	Val	Phe	Val	Ile	Ala	Val	Ser	Tyr	Thr	Tyr	Ile	Leu	Ile	Thr
210						215					220				
Ile	Leu	Asn	Met	Arg	Ser	Thr	Glu	Gly	Arg	His	Lys	Ala	Phe	Ser	Thr
225					230					235					240
Cys	Thr	Ser	His	Leu	Thr	Ala	Val	Thr	Leu	Tyr	Tyr	Gly	Thr	Ile	Thr
			245						250					255	
Phe	Ile	Tyr	Val	Met	Pro	Lys	Ser	Asn	Tyr	Ser	Thr	Ala	Gln	Asn	Lys
			260					265					270		
Ile	Leu	Ser	Val	Phe	Tyr	Thr	Val	Val	Ile	Pro	Met	Leu	Asn	Pro	Leu
		275					280					285			
Ile	Tyr	Ser	Leu	Arg	Asn	Arg	Asp	Val	Lys	Glu	Ala	Leu	Arg	Lys	Ala
290					295						300				
Ile	Ile	Arg	Ile	Phe	Pro										
305					310										

<210> 1500

<211> 312

<212> PRT

<213> Mus musculus

<400> 1500

Met	Glu	Thr	Glu	Asn	Asp	Thr	Met	Val	Thr	Glu	Phe	Ile	Ile	Leu	Gly
1				5					10					15	
Leu	Thr	Asp	Ser	Ala	Thr	Leu	Arg	Ala	Ile	Leu	Phe	Val	Phe	Phe	Leu
			20					25					30		
Pro	Val	Tyr	Ile	Val	Thr	Val	Val	Gly	Asn	Ile	Ser	Ile	Ile	Leu	Leu
		35					40				45				
Ile	Arg	Ser	Ser	Pro	Gln	Leu	His	Thr	Pro	Met	Tyr	Leu	Phe	Leu	Ser
	50				55					60					
His	Leu	Ala	Phe	Val	Asp	Ile	Gly	Tyr	Ser	Thr	Ser	Val	Thr	Pro	Ile
65				70					75					80	
Met	Leu	Ile	Ser	Phe	Leu	Arg	Glu	Glu	Thr	Thr	Ile	Pro	Leu	Ala	Gly
				85				90						95	
Cys	Ala	Ala	Gln	Leu	Gly	Ser	Asp	Val	Ala	Phe	Gly	Thr	Thr	Glu	Cys
			100					105					110		
Phe	Leu	Leu	Ala	Thr	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Ser
		115					120					125			
Pro	Leu	Leu	Tyr	Ser	Thr	Gln	Met	Ser	Pro	Ala	Ile	Cys	Cys	Phe	Leu
		130				135					140				
Leu	Gly	Ala	Ser	Tyr	Leu	Gly	Gly	Cys	Met	Asn	Ala	Ser	Ser	Phe	Thr
145					150				155					160	
Gly	Cys	Phe	Val	Asn	Leu	Asn	Phe	Cys	Gly	Pro	Asn	Lys	Val	Asn	His
			165					170						175	
Phe	Phe	Cys	Asp	Leu	Phe	Pro	Leu	Val	Lys	Leu	Ser	Cys	Gly	His	Ala
			180				185						190		
Tyr	Ile	Ala	Glu	Ile	Ser	Pro	Ser	Ile	Ser	Ser	Ala	Ser	Val	Leu	Val
		195					200					205			
Ser	Thr	Leu	Ser	Thr	Ile	Ile	Val	Ser	Tyr	Ile	Tyr	Ile	Leu	His	Ser
		210				215					220				
Ile	Leu	Arg	Met	Arg	Ser	Ala	Glu	Gly	Arg	Asn	Lys	Ala	Phe	Ser	Thr
225					230					235					240
Cys	Thr	Ser	His	Leu	Thr	Ala	Val	Thr	Leu	Phe	Tyr	Gly	Thr	Val	Leu
			245						250					255	
Phe	Val	Tyr	Val	Met	Pro	Lys	Ser	Ser	Tyr	Ser	Ala	Asp	Gln	Val	Lys
			260					265					270		
Val	Ala	Ser	Val	Val	Tyr	Thr	Val	Val	Ile	Pro	Met	Leu	Asn	Pro	Leu
		275					280					285			
Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Glu	Val	Lys	Glu	Ala	Met	Lys	Lys	Leu

290 295 300
 Met Ala Arg Thr His Trp Phe Pro
 305 310

<210> 1501
 <211> 310
 <212> PRT
 <213> Mus musculus

<400> 1501
 Met Glu Thr Gln Asn His Thr Thr Val Thr Glu Phe Ile Leu Leu Gly
 1 5 10 15
 Leu Thr Glu Ser Thr Leu Arg Val Ile Leu Phe Met Val Phe Leu
 20 25 30
 Gly Ile Tyr Thr Val Thr Leu Val Gly Asn Phe Ser Ile Ile Ser Leu
 35 40 45
 Ile Arg Ser Cys Pro Gln Leu His Thr Pro Met Tyr Leu Phe Leu Ser
 50 55 60
 His Leu Ala Phe Val Asp Ile Gly Phe Ser Thr Ser Ile Thr Pro Thr
 65 70 75 80
 Met Phe Lys Gly Phe Leu Gly Asn Arg Leu Val Leu Ser Val Ala Ala
 85 90 95
 Cys Ile Ala Gln Phe Cys Ile Thr Val Thr Phe Gly Thr Val Glu Cys
 100 105 110
 Phe Leu Leu Ala Val Met Ala Tyr Asp Arg Tyr Val Ala Ile Cys Ser
 115 120 125
 Pro Leu Leu Tyr Ser Thr His Met Ser Pro Arg Ile Cys Phe Leu Leu
 130 135 140
 Val Gly Ala Ser Tyr Val Gly Gly Cys Val Asn Ser Gly Ala Phe Thr
 145 150 155 160
 Ser Cys Leu Ser Ile Leu Ser Phe Cys Gly Pro Asn Gln Ile Asp His
 165 170 175
 Phe Phe Cys Asp Phe Pro Ala Val Leu Lys Leu Ser Cys Ser Asp Val
 180 185 190
 Ser Ile Ile Gly Ile Ile Pro Ser Ile Ser Ala Gly Ser Ile Ile Val
 195 200 205
 Ile Thr Val Phe Val Ile Ala Val Ser Tyr Ala Tyr Ile Leu Ile Thr
 210 215 220
 Ile Leu Lys Met Arg Ser Thr Glu Gly Arg Gln Lys Ala Phe Ser Thr
 225 230 235 240
 Cys Thr Ser His Leu Thr Ala Val Thr Leu Tyr Tyr Gly Thr Ile Thr
 245 250 255
 Phe Ile Tyr Val Met Pro Lys Ser Asn Tyr Ser Thr Ala Gln Asn Lys
 260 265 270
 Ile Leu Ser Val Phe Tyr Thr Val Val Ile Pro Met Leu Asn Pro Leu
 275 280 285
 Ile Tyr Ser Leu Arg Asn Arg Asp Val Lys Glu Ala Leu Arg Lys Ala
 290 295 300
 Ile Ile Arg Ile Phe Pro
 305 310

<210> 1502
 <211> 314
 <212> PRT
 <213> Mus musculus

<400> 1502

Met	Ala	Glu	Gly	Asn	Gln	Thr	Val	Ile	Phe	Gln	Phe	Leu	Leu	Leu	Gly
1				5					10					15	
Leu	Pro	Ile	Pro	Thr	Glu	His	Gln	Gln	Leu	Tyr	Tyr	Ala	Leu	Phe	Leu
			20					25					30		
Leu	Met	Tyr	Leu	Thr	Thr	Val	Leu	Gly	Asn	Leu	Ile	Ile	Ile	Ile	Leu
		35					40					45			
Ile	Arg	Leu	Asp	Ser	His	Leu	His	Thr	Pro	Met	Tyr	Leu	Phe	Leu	Ser
	50					55					60				
Asn	Leu	Ser	Phe	Ser	Asp	Leu	Cys	Phe	Ser	Ser	Val	Thr	Met	Pro	Lys
65					70					75					80
Leu	Leu	Gln	Asn	Met	Gln	Ser	Gln	Asp	Ser	Ser	Ile	Thr	Tyr	Ala	Gly
				85					90					95	
Cys	Leu	Thr	Gln	Met	Tyr	Phe	Phe	Leu	Leu	Phe	Gly	Asp	Leu	Glu	Ser
			100					105					110		
Phe	Leu	Leu	Val	Ala	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Phe
		115					120					125			
Pro	Leu	His	Tyr	Met	Ser	Ile	Met	Ser	Pro	Ser	Leu	Cys	Val	Ser	Leu
	130					135					140				
Val	Leu	Leu	Ser	Trp	Val	Leu	Thr	Thr	Phe	His	Ala	Met	Leu	His	Thr
145					150					155					160
Leu	Leu	Met	Ala	Arg	Leu	Ser	Phe	Cys	Glu	Asp	Asn	Val	Ile	Pro	His
				165					170					175	
Phe	Phe	Cys	Asp	Met	Ser	Ala	Leu	Leu	Lys	Leu	Ser	Cys	Ser	Asp	Thr
			180					185				190			
His	Val	Asn	Glu	Leu	Val	Ile	Phe	Val	Thr	Gly	Gly	Leu	Ile	Leu	Val
		195					200					205			
Ile	Pro	Phe	Val	Leu	Ile	Leu	Val	Ser	Tyr	Ala	Arg	Ile	Val	Ser	Ser
	210					215					220				
Ile	Leu	Lys	Val	Pro	Ser	Ala	Arg	Gly	Ile	Arg	Lys	Ala	Phe	Ser	Thr
225					230					235					240
Cys	Gly	Ser	His	Leu	Ser	Val	Val	Ser	Leu	Phe	Tyr	Gly	Thr	Ile	Ile
				245					250					255	
Gly	Leu	Tyr	Leu	Cys	Pro	Ser	Ala	Asp	Asn	Ser	Thr	Val	Lys	Glu	Thr
			260					265					270		
Val	Met	Ala	Met	Met	Tyr	Thr	Val	Val	Thr	Pro	Met	Leu	Asn	Pro	Phe
		275					280					285			
Ile	Tyr	Ser	Leu	Arg	Asn	Arg	Asp	Met	Lys	Gly	Ala	Leu	Ala	Arg	Val
	290				295						300				
Ile	Cys	Lys	Lys	Lys	Val	Phe	Phe	Cys	Leu						
305					310										

<210> 1503

<211> 317

<212> PRT

<213> Mus musculus

<400> 1503

Met	Gln	Gly	Thr	Thr	Glu	Arg	Asn	Gln	Thr	Ala	Ile	Ser	Gln	Phe	Leu
1				5					10					15	
Leu	Leu	Gly	Leu	Pro	Ile	Pro	Thr	Glu	His	Gln	His	Leu	Phe	Tyr	Ala
			20					25					30		
Leu	Phe	Leu	Ala	Met	Tyr	Leu	Thr	Thr	Val	Leu	Gly	Asn	Leu	Ile	Ile
		35					40					45			
Ile	Ile	Leu	Ile	His	Leu	Asp	Ser	His	Leu	His	Thr	Pro	Met	Tyr	Ser
	50				55						60				
Phe	Leu	Ser	Asn	Leu	Ser	Phe	Ser	Asp	Leu	Cys	Phe	Ser	Ser	Val	Thr
65					70					75					80
Met	Pro	Lys	Leu	Leu	Gln	Asn	Met	Gln	Ser	Gln	Asp	Pro	Ser	Ile	Pro

Tyr	Phe	Cys	Asp	Met	Ser	Ala	Leu	Leu	Lys	Leu	Ala	Cys	Ser	Asp	Thr	
			180					185					190			
Arg	Val	Asn	Glu	Val	Val	Ile	Phe	Ile	Val	Ala	Ser	Ile	Phe	Leu	Val	
		195					200					205				
Leu	Pro	Phe	Ala	Leu	Ile	Thr	Met	Ser	Tyr	Val	Arg	Ile	Val	Ser	Ser	
	210					215					220					
Ile	Leu	Lys	Val	Pro	Ser	Ser	Gln	Gly	Ile	Tyr	Lys	Ala	Phe	Ser	Thr	
225					230					235					240	
Cys	Gly	Ser	His	Leu	Ser	Val	Val	Ser	Leu	Phe	Tyr	Gly	Thr	Val	Ile	
			245						250					255		
Gly	Leu	Tyr	Leu	Ser	Pro	Ser	Ser	Asn	Asn	Ser	Thr	Val	Lys	Asp	Thr	
			260					265						270		
Val	Met	Ser	Leu	Met	Tyr	Thr	Val	Val	Thr	Pro	Met	Leu	Asn	Pro	Phe	
		275					280					285				
Ile	Tyr	Ser	Leu	Arg	Asn	Arg	Asp	Ile	Lys	Gly	Ala	Leu	Glu	Arg	Val	
	290				295						300					
Phe	Cys	Lys	Arg	Lys	Ile	Gln	Leu	Asn	Leu							
305					310											

<210> 1505
 <211> 313
 <212> PRT
 <213> Mus musculus

<400> 1505

Met	Pro	Gly	Glu	Asn	Val	Thr	Val	Trp	Ser	Leu	Phe	Phe	Leu	Glu	Gly	
1				5				10					15			
Phe	Ser	Arg	Tyr	Pro	Arg	Leu	Glu	Ile	Val	Leu	Phe	Val	Phe	Ser	Leu	
		20						25					30			
Val	Met	Tyr	Leu	Val	Thr	Ile	Leu	Gly	Asn	Cys	Thr	Leu	Ile	Leu	Ile	
		35					40					45				
Thr	Val	Leu	Asp	Ser	Arg	Leu	Gln	Thr	Pro	Met	Tyr	Leu	Phe	Leu	Gly	
	50					55					60					
Asn	Leu	Ser	Phe	Met	Asp	Ile	Cys	Tyr	Thr	Ser	Ala	Ser	Ile	Pro	Thr	
65				70					75					80		
Leu	Leu	Val	Asn	Leu	Leu	Ser	Ser	Lys	Lys	Thr	Ile	Ile	Phe	Ser	Gly	
			85					90						95		
Cys	Ala	Val	Gln	Met	Tyr	Leu	Ser	Leu	Ser	Met	Gly	Ser	Thr	Glu	Cys	
		100						105					110			
Ile	Leu	Leu	Ala	Val	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Asn	
	115						120					125				
Pro	Leu	Arg	Tyr	Pro	Ile	Ile	Met	Asn	Arg	Gln	Val	Cys	Val	Gln	Met	
	130					135					140					
Ala	Thr	Ile	Ser	Trp	Val	Thr	Gly	Cys	Leu	Thr	Ala	Leu	Leu	Glu	Thr	
145					150					155				160		
Ser	Phe	Ala	Leu	Gln	Ile	Pro	Leu	Cys	Gly	Asn	Ile	Ile	Asn	His	Phe	
			165						170					175		
Thr	Cys	Glu	Ile	Leu	Ala	Val	Leu	Lys	Leu	Ala	Cys	Val	Ser	Ser	Leu	
		180						185					190			
Leu	Met	Asp	Leu	Val	Met	Leu	Val	Val	Ser	Ile	Leu	Leu	Leu	Pro	Ile	
		195					200					205				
Pro	Met	Leu	Leu	Ile	Cys	Ile	Ser	Tyr	Gly	Phe	Ile	Leu	Ser	Thr	Ile	
	210					215					220					
Leu	Arg	Ile	Ser	Ser	Thr	Glu	Gly	Arg	Asn	Lys	Ala	Phe	Ser	Thr	Cys	
225					230					235					240	
Gly	Ala	His	Leu	Thr	Val	Val	Ile	Leu	Tyr	Tyr	Gly	Ala	Ala	Leu	Ser	
			245						250					255		
Met	Tyr	Leu	Lys	Pro	Ser	Ser	Ser	Asn	Ser	Gln	Glu	Ile	Asp	Lys	Ile	

Ile	Ser	Leu	Leu	Tyr	Gly	Val	Leu	Thr	Pro	Met	Leu	Asn	Pro	Ile	Ile
		275					280					285			
Tyr	Ser	Leu	Arg	Asn	Lys	Glu	Val	Lys	Asp	Ala	Val	Ile	Lys	Leu	Leu
	290					295					300				
Gly	Lys	Val	Pro	Leu	Ala	Pro	Ser	Val							
305					310										

<210> 1506
 <211> 312
 <212> PRT
 <213> Mus musculus

<400> 1506

Met	Pro	Asn	Ser	Ile	Gln	Leu	Arg	Glu	Lys	Arg	Met	Asn	Val	Thr	Glu
1				5					10					15	
Phe	Ile	Leu	Met	Gly	Leu	Thr	Gln	Asn	Pro	Gln	Leu	Gln	Arg	Ile	Leu
			20					25					30		
Phe	Phe	Val	Leu	Leu	Ile	Thr	Tyr	Ile	Ile	Thr	Val	Thr	Gly	Asn	Leu
		35					40					45			
Leu	Ile	Val	Gly	Thr	Ile	Val	Cys	Ser	Gln	Ser	Leu	Asn	Ser	Pro	Met
	50					55					60				
Tyr	Phe	Phe	Leu	Thr	Phe	Leu	Ser	Leu	Ile	Asp	Ala	Cys	Tyr	Ser	Ser
65					70					75					80
Cys	Thr	Ile	Pro	Lys	Met	Leu	Val	Asp	Leu	Leu	Ser	Glu	Thr	Lys	Thr
				85					90					95	
Ile	Ser	Phe	Asn	Gly	Cys	Ile	Leu	Gln	Leu	Phe	Val	Glu	His	Phe	Leu
			100					105					110		
Gly	Ala	Ser	Glu	Ile	Val	Leu	Leu	Val	Val	Met	Ala	Tyr	Asp	Arg	Tyr
		115					120					125			
Val	Ala	Ile	Cys	Arg	Pro	Leu	His	Tyr	Ala	Ser	Arg	Met	Asn	His	His
		130				135					140				
Met	Cys	Cys	Leu	Leu	Val	Gly	Ile	Cys	Trp	Ile	Val	Gly	Phe	Leu	His
145					150					155					160
Ser	Phe	Gly	Gln	Ile	Leu	Val	Thr	Leu	Trp	Ile	Pro	Phe	Cys	Gly	Pro
			165						170					175	
Asn	Ile	Leu	Asp	His	Phe	Phe	Cys	Asp	Ile	Phe	Pro	Leu	Leu	Gln	Leu
			180					185					190		
Ala	Cys	Thr	Asp	Thr	Phe	Leu	Leu	Gly	Leu	Leu	Val	Ala	Cys	Asn	Gly
		195					200					205			
Gly	Val	Ile	Pro	Val	Ile	Thr	Phe	Thr	Met	Leu	Leu	Met	Ser	Tyr	Ala
	210					215						220			
Val	Ile	Leu	Tyr	Ser	Leu	Arg	Thr	His	Ser	Thr	Ala	Gly	Arg	Lys	Lys
225					230					235					240
Ala	Leu	Ser	Thr	Cys	Gly	Ser	His	Ile	Thr	Val	Val	Val	Leu	Phe	Phe
			245						250					255	
Val	Pro	Cys	Ile	Phe	Met	Tyr	Met	Arg	Pro	Val	Ala	Thr	Phe	Pro	Met
			260					265					270		
Asp	Lys	Ala	Ile	Ala	Val	Phe	Tyr	Ile	Ile	Ile	Thr	Pro	Leu	Leu	Asn
		275					280					285			
Pro	Val	Ile	Tyr	Thr	Val	Arg	Asn	Ala	Glu	Val	Lys	Ser	Ala	Ile	Arg
	290					295					300				
Met	Leu	Leu	Lys	Arg	Met	His	Leu								
305					310										

<210> 1507
 <211> 309

<212> PRT

<213> Mus musculus

<400> 1507

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Met Gly Asn Val Thr Val Phe Ile Leu Leu Gly Leu Ser Asp Asn Gln
 1          5          10          15
Asn Ile Glu Val Leu Cys Phe Val Leu Phe Leu Phe Cys Tyr Ile Ala
 20          25          30
Ile Trp Met Gly Asn Val Leu Ile Met Val Ser Ile Thr Cys Thr Gln
 35          40          45
Leu Met Asp Gln Pro Met Tyr Phe Phe Leu His Tyr Leu Ser Leu Cys
 50          55          60
Asp Leu Cys Tyr Thr Ser Thr Val Thr Pro Lys Leu Leu Thr Asp Leu
 65          70          75          80
Leu Ala Glu Arg Lys Ile Ile Ser Tyr Asn Asn Cys Met Thr Gln Leu
 85          90          95
Phe Val Leu His Phe Leu Gly Ala Ile Glu Ile Phe Ile Leu Thr Ala
100          105          110
Met Ala Tyr Asp Arg Tyr Val Ala Ile Cys Arg Pro Leu His Tyr Thr
115          120          125
Val Ile Met Ser Arg Gln Arg Cys Asn Glu Ile Leu Ala Ala Cys Cys
130          135          140
Thr Gly Gly Phe Val His Ser Ala Ser Gln Ser Leu Leu Ile Ala Cys
145          150          155          160
Leu Ser Phe Cys His His Asn Glu Ile Asp His Tyr Phe Cys Asp Val
165          170          175
Tyr Pro Leu Leu Lys Leu Ala Cys Thr Asp Thr His Arg Ile Gly Leu
180          185          190
Phe Val Ile Val Asp Ser Gly Leu Ile Ala Leu Val Thr Phe Val Val
195          200          205
Leu Met Val Ser Tyr Phe Leu Ile Ala Tyr Thr Ile Ser Val Tyr Pro
210          215          220
Ala Glu Ser Arg Ser Lys Ala Leu Ser Thr Cys Ser Ser His Ile Thr
225          230          235          240
Ile Val Val Leu Phe Phe Val Pro Val Phe Phe Ile Tyr Ile Arg Pro
245          250          255
Asn Ile Thr Phe Pro Glu Asp Lys Val Phe Ala Leu Phe Tyr Thr Ile
260          265          270
Ile Ala Pro Met Phe Asn Pro Leu Ile Tyr Thr Leu Arg Asn Ile Glu
275          280          285
Met Lys Arg Ala Ile Lys Lys Met Trp Tyr His Gln Ile Pro Ser Tyr
290          295          300
Lys Lys Gln Ile Pro
305
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<210> 1508

<211> 307

<212> PRT

<213> Mus musculus

<400> 1508

```
Met Glu Ser Thr Asn Asn Ile Thr Glu Phe Ile Leu Leu Gly Leu Ser
 1          5          10          15
Gln Asn Lys Lys Ile Lys Ala Leu Cys Phe Leu Met Phe Leu Phe Cys
 20          25          30
Tyr Ile Ala Ile Leu Gly Gly Asn Met Ile Ile Leu Ile Ser Ile Thr
 35          40          45
Cys Ser Gln Leu Ile Glu Gln Pro Met Tyr Phe Phe Leu Asn Tyr Leu
```

50	55	60
Ala Leu Ser Asp Leu Cys Tyr Thr Ser Thr Val Thr Pro Lys Phe Leu		
65	70	75
Thr Asp Leu Leu Val Glu Arg Asn Lys Ile Ser Tyr Thr Ser Cys Met		80
	85	90
Ala Gln Leu Phe Thr Met His Phe Phe Gly Gly Ile Glu Ile Leu Ile		95
	100	105
Leu Thr Val Met Ala Tyr Asp Arg Tyr Val Ala Ile Cys Lys Pro Leu		110
	115	120
His Tyr Ser Ile Ile Met Ser Arg Gly Arg Cys His Ala Met Val Thr		125
	130	135
Ala Cys Cys Ala Gly Ala Phe Ile His Ser Phe Leu Gln Ser Leu Leu		140
	145	150
Ala Ile Ser Leu Pro Phe Cys Gly His Asn Glu Met Asp His Tyr Phe		155
	160	165
Cys Asp Ile Tyr Pro Leu Val Thr Leu Ser Cys Thr Asn Thr His Arg		170
	175	180
Val Gly Leu Leu Val Val Val Asn Ser Gly Met Met Gly Leu Val Thr		185
	190	195
Phe Val Val Leu Met Trp Ser Tyr Ser Phe Ile Leu Tyr Thr Ile Arg		200
	205	210
Ala Tyr Pro Ala Glu Ser Arg Ser Lys Ala Leu Ser Thr Cys Ser Ser		215
	220	225
His Val Thr Val Val Ile Phe Phe Phe Val Pro Val Leu Phe Ile Tyr		230
	235	240
Ile Arg Pro Ala Thr Thr Tyr Pro Glu Asp Lys Val Phe Ala Leu Phe		245
	250	255
Tyr Thr Ile Leu Ala Pro Met Phe Asn Pro Leu Ile Tyr Thr Leu Arg		260
	265	270
Asn Thr Glu Met Lys Asn Ala Leu Arg Lys Val Trp Cys His Lys Leu		275
	280	285
Phe Phe Ile		290
	295	300
305		

<210> 1509
 <211> 313
 <212> PRT
 <213> Mus musculus

<400> 1509
Met Glu Arg Ser Leu Gln Leu Ala Asn Arg Ser Asp Asp Gln Asp Phe
1 5 10 15
Ile Leu Leu Gly Leu Ser Ala Ser Lys Asp Ile Lys Asp Gly Leu Phe
20 25 30
Val Ile Phe Leu Thr Leu Tyr Leu Leu Ile Phe Leu Glu Asn Met Leu
35 40 45
Val Ile Tyr Leu Ile Ser Ser His His Glu Leu Leu His Lys Pro Met
50 55 60
Tyr Phe Phe Leu Gly Asn Leu Ser Cys Leu Glu Met Cys Tyr Val Ser
65 70 75 80
Val Thr Met Pro Thr Leu Leu Val Gly Leu Arg Ser Ser Pro Tyr His
85 90 95
Val Ser Phe Ser Phe Cys Met Ala Gln Leu Phe Leu Phe Met Ser Leu
100 105 110
Ile Gly Thr Lys Cys Thr Leu Leu Ala Ser Met Ala Tyr Asp Arg Tyr
115 120 125
Val Ala Ile Cys Cys Pro Leu His Tyr Ser Val Ile Met Arg Pro Gln
130 135 140

Val	Cys	Trp	Gly	Leu	Ala	Leu	Ser	Ser	Trp	Val	Gly	Gly	Leu	Leu	Val
145					150					155					160
Ser	Ala	Ile	Lys	Thr	Thr	Cys	Ile	Ala	Ser	Leu	Ser	Tyr	Cys	Gly	Pro
				165					170						175
Asn	Val	Leu	Asn	His	Phe	Phe	Cys	Asp	Val	Ser	Pro	Leu	Leu	Asn	Leu
			180					185					190		
Ser	Cys	Thr	His	Val	Ala	Leu	Thr	Glu	Leu	Ile	Asp	Phe	Ile	Ser	Ala
		195					200					205			
Ile	Ile	Ile	Phe	Cys	Gly	Ser	Leu	Leu	Val	Ala	Leu	Ala	Ser	Tyr	Val
	210					215					220				
Ala	Ile	Gly	Arg	Val	Leu	Ile	Lys	Met	Pro	Ser	Ala	Ala	Ala	Ser	His
225					230					235					240
Lys	Ala	Leu	Ser	Thr	Cys	Ala	Ser	His	Leu	Leu	Val	Met	Gly	Leu	Phe
				245					250					255	
Tyr	Ser	Val	Val	Leu	Phe	Met	Tyr	Ser	Arg	Pro	Ser	His	Val	Lys	Ser
			260					265					270		
Thr	Asp	Leu	Asn	Lys	Val	Leu	Ser	Val	Ile	Tyr	Thr	Val	Ala	Thr	Pro
		275					280					285			
Met	Cys	Ser	Pro	Ile	Ile	Tyr	Cys	Leu	Arg	Asn	Arg	Glu	Val	His	Ala
	290					295					300				
Val	Leu	Arg	Arg	Thr	Pro	Cys	Leu	Cys							
305					310										

<210> 1510
 <211> 314
 <212> PRT
 <213> Mus musculus

<400> 1510

Met	Glu	Lys	Ser	Leu	Glu	Leu	Gly	Asn	Val	Thr	Arg	Val	Gln	Glu	Phe
1				5					10					15	
Val	Leu	Leu	Gly	Leu	Ser	Thr	Arg	Leu	Gly	Ile	Arg	Asp	Ala	Leu	Phe
			20					25					30		
Val	Ile	Phe	Leu	Thr	Leu	Tyr	Leu	Leu	Thr	Leu	Leu	Glu	Asn	Thr	Leu
		35					40					45			
Ile	Ile	Tyr	Leu	Ile	Cys	Ser	His	Ser	Glu	Leu	His	Lys	Pro	Met	Tyr
	50				55					60					
Phe	Phe	Leu	Gly	Asn	Leu	Ser	Cys	Leu	Glu	Met	Cys	Tyr	Val	Ser	Val
65				70					75						80
Thr	Met	Pro	Thr	Leu	Leu	Met	Gly	Leu	Trp	Thr	Gly	Pro	Cys	His	Val
				85				90						95	
Pro	Phe	Thr	Gly	Cys	Met	Thr	Gln	Leu	Phe	Phe	Phe	Ile	Ser	Leu	Ile
			100					105					110		
Cys	Thr	Glu	Cys	Thr	Leu	Leu	Ala	Ser	Met	Ala	Tyr	Asp	Arg	Tyr	Val
		115					120					125			
Ala	Ile	Cys	Arg	Pro	Leu	His	Tyr	Pro	Leu	Leu	Met	Arg	Pro	Gln	Val
	130					135					140				
Cys	Leu	Gly	Leu	Ala	Leu	Ser	Ser	Trp	Leu	Gly	Gly	Leu	Leu	Val	Ser
145					150					155					160
Val	Ile	Lys	Thr	Ala	Cys	Ile	Ala	Ser	Leu	Ser	Tyr	Cys	Gly	Pro	Asn
				165					170					175	
Val	Leu	Asn	His	Phe	Phe	Cys	Asp	Val	Ser	Pro	Leu	Leu	Asn	Leu	Ser
			180					185					190		
Cys	Thr	His	Val	Ala	Leu	Thr	Glu	Leu	Val	Asp	Phe	Ile	Ser	Ala	Ile
		195					200					205			
Val	Ile	Leu	Trp	Gly	Ser	Leu	Leu	Val	Ala	Met	Ala	Ser	Tyr	Val	Ala
	210					215					220				
Ile	Gly	Arg	Thr	Val	Leu	Gly	Met	Pro	Ser	Ala	Ala	Ala	Arg	His	Lys

<210> 1512
 <211> 312
 <212> PRT
 <213> Mus musculus

<400> 1512
 Met Ala Arg Ser Leu Glu Leu Ala Asn Met Thr Arg Val Gln Lys Phe
 1 5 10 15
 Leu Leu Leu Gly Leu Ser Thr Arg Leu Asp Ile Arg Asp Ala Leu Phe
 20 25 30
 Ala Val Phe Leu Thr Leu Tyr Leu Leu Thr Leu Val Glu Asn Thr Leu
 35 40 45
 Ile Ile Tyr Leu Ile Phe Ser His Lys Glu Leu His Lys Pro Met Tyr
 50 55 60
 Phe Phe Leu Gly Asn Leu Ser Cys Leu Glu Met Cys Tyr Val Ser Val
 65 70 75 80
 Thr Met Pro Thr Leu Leu Val Gly Leu Trp Thr Gly Pro Tyr His Ile
 85 90 95
 Pro Phe Thr Leu Cys Met Thr Gln Leu Phe Phe Phe Ile Val Leu Ile
 100 105 110
 Cys Thr Glu Cys Thr Leu Leu Ala Ser Met Ala Tyr Asp Arg Tyr Val
 115 120 125
 Ala Ile Cys Arg Pro Leu His Tyr Pro Leu Leu Met Arg Pro Gln Val
 130 135 140
 Cys Leu Gly Leu Ala Leu Ser Ser Trp Leu Gly Gly Leu Ile Val Ser
 145 150 155 160
 Val Ala Lys Thr Thr Cys Ile Ala Ser Leu Ser Tyr Cys Gly Pro Asn
 165 170 175
 Val Leu Asn Gln Phe Phe Cys Asp Val Ser Pro Leu Leu Asn Leu Ser
 180 185 190
 Cys Thr His Val Ala Leu Thr Glu Leu Val Asp Phe Ile Ser Ala Ile
 195 200 205
 Val Ile Phe Cys Gly Thr Leu Leu Val Ser Leu Ala Ser Tyr Ser Ala
 210 215 220
 Ile Gly Met Ala Val Leu Arg Met Pro Ser Ala Ala Ala Arg Arg Lys
 225 230 235 240
 Ala Phe Ser Thr Cys Ala Ser His Leu Val Val Val Gly Ile Phe Tyr
 245 250 255
 Ser Ala Ala Leu Phe Ile Tyr Cys Arg Pro Ser Arg Ile Lys Ser Met
 260 265 270
 Asp Leu Asn Lys Val Leu Ser Val Ile Tyr Thr Val Val Thr Pro Leu
 275 280 285
 Cys Asn Pro Ile Ile Tyr Cys Leu Arg Asn Lys Glu Val His Thr Val
 290 295 300
 Leu Lys Lys Thr Leu His Trp Pro
 305 310

<210> 1513
 <211> 309
 <212> PRT
 <213> Mus musculus

<400> 1513
 Met Met Arg Asn Gln Thr Leu Val Thr Glu Phe Ile Leu Gln Gly Phe
 1 5 10 15
 Ser Glu His Pro Gln Tyr Gln Leu Pro Leu Phe Phe Cys Phe Leu Ser

Phe	Leu	Leu	Ser	Val	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	His
	115						120					125			
Pro	Leu	His	Tyr	Thr	Met	Met	Met	Arg	Ser	Arg	Leu	Cys	Val	Leu	Leu
	130					135					140				
Val	Ala	Ile	Ser	Trp	Val	Ile	Thr	Asn	Leu	His	Ala	Leu	Leu	His	Thr
145					150					155					160
Leu	Leu	Met	Val	Arg	Leu	Thr	Phe	Cys	Ser	His	Asn	Ala	Val	His	His
				165					170					175	
Phe	Phe	Cys	Asp	Pro	Tyr	Pro	Ile	Leu	Lys	Leu	Ser	Cys	Ser	Asp	Thr
			180					185					190		
Phe	Ile	Asn	Asp	Leu	Met	Val	Phe	Thr	Val	Gly	Gly	Val	Ile	Phe	Leu
	195						200					205			
Thr	Pro	Phe	Ser	Cys	Ile	Val	Val	Ser	Tyr	Val	Tyr	Ile	Phe	Ser	Lys
	210					215					220				
Val	Leu	Lys	Ile	Pro	Ser	Ala	Arg	Gly	Ile	Arg	Lys	Ala	Leu	Ser	Thr
225					230					235					240
Cys	Gly	Ser	His	Leu	Thr	Val	Val	Ser	Leu	Phe	Tyr	Gly	Ala	Ile	Leu
				245					250					255	
Gly	Val	Tyr	Met	Arg	Pro	Ser	Ser	Ser	Tyr	Ser	Leu	Gln	Asp	Thr	Val
			260					265					270		
Ala	Thr	Val	Ile	Phe	Thr	Val	Val	Thr	Pro	Leu	Val	Asn	Pro	Phe	Ile
	275						280					285			
Tyr	Ser	Leu	Arg	Asn	Gln	Asp	Met	Lys	Gly	Ala	Leu	Arg	Lys	Ile	Met
	290					295					300				
Leu	Arg	Ser													
305															

<210> 1515

<211> 315

<212> PRT

<213> Mus musculus

<400> 1515

Met	Val	Arg	Glu	Asn	Gln	Ser	Thr	Ala	Ile	Glu	Phe	Leu	Leu	Leu	Gly
1				5					10					15	
Ile	Ala	Gly	Gln	Ser	Lys	Glu	Glu	Glu	Val	Ile	Phe	Gly	Met	Phe	Leu
			20					25					30		
Trp	Met	Tyr	Leu	Val	Thr	Val	Cys	Gly	Asn	Leu	Leu	Ile	Ile	Leu	Ala
		35					40					45			
Ile	Ser	Cys	Asp	Pro	His	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Ala
	50					55					60				
Asn	Leu	Ser	Ser	Val	Asp	Ile	Cys	Phe	Ser	Ser	Val	Thr	Val	Pro	Lys
65					70					75					80
Ala	Leu	Val	Asn	Tyr	Met	Leu	Gly	Ile	Lys	Thr	Ile	Ser	Tyr	Thr	Glu
			85						90					95	
Cys	Met	Thr	Gln	Ile	Tyr	Phe	Phe	Ile	Thr	Phe	Ile	Asn	Met	Asp	Gly
			100						105				110		
Phe	Leu	Leu	Ser	Val	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	His
			115				120					125			
Pro	Leu	His	Tyr	Thr	Met	Met	Met	Arg	Pro	Arg	Leu	Cys	Val	Leu	Leu
	130					135					140				
Val	Ala	Ile	Ser	Trp	Ala	Ile	Thr	Asn	Leu	His	Ala	Leu	Leu	His	Thr
145					150					155					160
Leu	Leu	Met	Val	Arg	Leu	Thr	Phe	Cys	Ser	His	Asn	Ala	Met	His	His
				165					170					175	
Phe	Phe	Cys	Asp	Pro	Tyr	Pro	Ile	Leu	Lys	Leu	Ser	Cys	Ser	Asp	Thr
			180					185					190		
Phe	Ile	Asn	Asp	Ile	Thr	Ala	Phe	Thr	Val	Gly	Gly	Leu	Thr	Ser	Ile

Tyr Ser Leu Arg Asn Arg Asp Ile Lys Gly Ala Leu Arg Lys Ile Ile
 290 295 300
 Leu Arg Ser
 305

<210> 1517
 <211> 305
 <212> PRT
 <213> Mus musculus

<400> 1517
 Met Glu Glu Ala Asn Gln Thr Val Val Ser Glu Phe Ile Phe Gln Gly
 1 5 10 15
 Leu Cys Ala Ser Lys Glu Leu Gln Ile Leu Leu Leu Pro Phe Ser
 20 25 30
 Thr Leu Tyr Met Met Thr Val Val Gly Asn Leu Phe Val Val Ile Leu
 35 40 45
 Ile Ile Ile Asp His His Leu His Ser Pro Met Tyr Phe Leu Leu Ala
 50 55 60
 Asn Leu Ser Phe Ile Asp Phe Cys Leu Ser Ser Val Thr Thr Pro Lys
 65 70 75 80
 Leu Ile Thr Asp Leu Leu Lys Asp Asn Lys Thr Ile Ser Phe Gly Gly
 85 90 95
 Cys Met Ser Gln Ile Leu Cys Val His Phe Phe Gly Gly Gly Glu Met
 100 105 110
 Val Leu Leu Val Thr Met Ala Tyr Asp Arg Tyr Val Ala Ile Cys Arg
 115 120 125
 Pro Leu His Tyr Ser Ser Ile Met Asp Arg Gln Lys Cys Ile Trp Leu
 130 135 140
 Val Val Ile Ser Trp Thr Ile Gly Phe Ile His Ala Met Ser Gln Leu
 145 150 155 160
 Ile Leu Ile Leu Asp Leu Pro Phe Cys Gly Pro Arg Val Ile Asp Ser
 165 170 175
 Phe Phe Cys Asp Ile Pro Leu Val Met Lys Leu Ala Cys Met Asn Thr
 180 185 190
 Asp Thr Leu Gly Ile Val Ile Asn Ala Asp Ser Gly Val Leu Ala Thr
 195 200 205
 Thr Cys Phe Ile Leu Leu Leu Ile Ser Tyr Thr Tyr Ile Leu Leu Thr
 210 215 220
 Val Gln Leu His Ser Lys Asp Gly Ser Ser Lys Ala Leu Ser Thr Cys
 225 230 235 240
 Thr Ser His Ile Ile Val Val Val Leu Phe Phe Gly Pro Cys Ile Phe
 245 250 255
 Ile Tyr Leu Trp Pro Val Ser Ile Thr Trp Val Asp Lys Phe Leu Ala
 260 265 270
 Val Phe Tyr Thr Val Ile Thr Pro Leu Leu Asn Pro Ala Ile Tyr Thr
 275 280 285
 Leu Arg Asn Lys Asp Ile Lys Asn Ala Ile Lys Lys Leu Lys Asn His
 290 295 300
 Met
 305

<210> 1518
 <211> 305
 <212> PRT
 <213> Mus musculus

<400> 1518

Met	Glu	Asp	Ser	Asn	Arg	Thr	Val	Ser	Ser	Glu	Phe	Ile	Phe	Gln	Gly
1				5					10					15	
Leu	Cys	Ser	Ser	Arg	Gln	Leu	Glu	Ile	Phe	Leu	Leu	Leu	Pro	Phe	Ser
			20					25					30		
Ile	Leu	Tyr	Leu	Met	Ala	Val	Val	Gly	Asn	Leu	Phe	Val	Val	Ile	Leu
		35					40					45			
Ile	Ile	Ile	Asp	His	His	Leu	His	Ser	Pro	Met	Tyr	Phe	Leu	Leu	Ala
	50					55					60				
Asn	Leu	Ser	Phe	Ile	Asp	Phe	Cys	Leu	Ser	Ser	Val	Thr	Thr	Pro	Lys
65					70					75					80
Leu	Thr	Ile	Asp	Leu	Leu	Lys	Glu	Asn	Lys	Thr	Ile	Ser	Phe	Val	Gly
				85					90					95	
Tyr	Met	Arg	Gln	Ile	Val	Cys	Val	His	Phe	Phe	Ala	Gly	Gly	Glu	Met
			100					105					110		
Val	Leu	Leu	Val	Thr	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Arg
		115					120					125			
Pro	Leu	His	Tyr	Ser	Ser	Ile	Met	Asp	Arg	Gln	Lys	Cys	Ile	Trp	Leu
	130					135					140				
Val	Val	Ile	Ser	Trp	Ile	Val	Gly	Phe	Val	His	Ala	Ile	Ser	Gln	Met
145					150					155					160
Leu	Leu	Ile	Leu	Asp	Leu	Pro	Phe	Cys	Gly	Pro	Arg	Val	Ile	Asp	Ser
				165					170					175	
Phe	Phe	Cys	Asp	Ile	Pro	Leu	Val	Met	Lys	Leu	Ala	Cys	Met	Asn	Thr
			180					185					190		
Asp	Thr	Leu	Glu	Ile	Leu	Ile	Asn	Ala	Asp	Ser	Gly	Ile	Leu	Ala	Thr
		195					200					205			
Thr	Trp	Phe	Ile	Leu	Leu	Leu	Ile	Ser	Tyr	Thr	Tyr	Ile	Leu	Leu	Thr
	210					215					220				
Val	Gln	His	Arg	Ser	Lys	Asp	Gly	Ser	Ser	Lys	Ala	Leu	Ser	Thr	Cys
225					230					235					240
Thr	Ser	His	Ile	Ile	Val	Val	Leu	Leu	Phe	Phe	Gly	Pro	Ile	Ile	Phe
				245					250					255	
Ile	Tyr	Leu	Trp	Pro	Val	Ser	Ile	Thr	Trp	Val	Asp	Lys	Phe	Leu	Ala
		260					265					270			
Val	Phe	Tyr	Ser	Val	Ile	Thr	Pro	Leu	Leu	Asn	Pro	Ala	Ile	Tyr	Thr
	275						280					285			
Leu	Arg	Asn	Lys	Asp	Ile	Lys	Asn	Ala	Ile	Lys	Lys	Leu	Ile	Ser	His
	290					295					300				
Lys															
305															

<210> 1519

<211> 305

<212> PRT

<213> Mus musculus

<400> 1519

Met	Glu	Leu	Glu	Asn	Gln	Thr	Arg	Val	Ile	Glu	Phe	Phe	Leu	Leu	Gly
1				5					10					15	
Leu	Ser	Glu	Asp	Pro	Glu	Leu	Gln	Pro	Ile	Leu	Phe	Gly	Leu	Phe	Leu
			20					25					30		
Leu	Met	Tyr	Leu	Val	Thr	Val	Ser	Gly	Asn	Leu	Leu	Ile	Ile	Leu	Ala
		35					40					45			
Ile	Val	Ser	Asp	Ala	His	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Ser
	50					55					60				
Asn	Leu	Ser	Phe	Thr	Asp	Ile	Cys	Phe	Ser	Thr	Thr	Thr	Val	Pro	Lys
65					70					75					80

Met	Leu	Thr	Asn	Leu	Gln	Lys	Gln	Ser	Lys	Ser	Ile	Ser	Tyr	Thr	Gly
			85						90					95	
Cys	Ile	Thr	Gln	Leu	Ser	Phe	Val	Leu	Leu	Phe	Ala	Gly	Met	Glu	Asn
			100					105					110		
Phe	Leu	Leu	Ala	Ala	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Asn
			115				120					125			
Pro	Leu	Arg	Tyr	Thr	Asp	Ile	Met	Lys	Leu	His	Leu	Cys	Phe	Val	Met
	130					135					140				
Ile	Phe	Leu	Ser	Leu	Tyr	Ile	Ser	Ile	Val	Asp	Ala	Leu	Leu	His	Gly
145					150					155					160
Leu	Met	Thr	Leu	Arg	Leu	Ser	Phe	Cys	Thr	Phe	Leu	Glu	Ile	Pro	His
				165					170					175	
Phe	Phe	Cys	Glu	Leu	Tyr	Gln	Val	Ile	Lys	Ile	Ala	Cys	Ser	Asp	Thr
			180					185					190		
Leu	Ile	Asn	Asn	Ile	Leu	Ile	Tyr	Val	Met	Ser	Ser	Ala	Leu	Gly	Gly
		195					200					205			
Met	Pro	Leu	Val	Gly	Ile	Ile	Phe	Ser	Tyr	Tyr	Lys	Ile	Ile	Ser	Ser
	210					215					220				
Ile	Leu	Arg	Met	Pro	Ser	Pro	Gly	Gly	Arg	His	Lys	Ala	Phe	Ser	Thr
225					230					235					240
Cys	Gly	Ser	His	Leu	Ser	Val	Val	Ser	Leu	Phe	Tyr	Gly	Thr	Ala	Phe
				245					250					255	
Gly	Val	Tyr	Ile	Ser	Ser	Ala	Phe	Thr	Glu	Ser	Tyr	Arg	Arg	Thr	Ser
			260					265					270		
Val	Ala	Ser	Leu	Met	Tyr	Thr	Val	Phe	Pro	Pro	Met	Leu	Asn	Pro	Phe
		275					280					285			
Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Met	Lys	Lys	Ala	Leu	Arg	Lys	Ile
	290					295					300				
Val															
305															

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 <213> Mus musculus

<400> 1520

Met	Glu	Ser	Ala	Asn	Gln	Thr	Gly	Ile	Ser	Glu	Phe	Phe	Leu	Ile	Gly
1				5					10					15	
Leu	Ile	Tyr	Val	Pro	Glu	Leu	Gln	Pro	Leu	Phe	Phe	Asp	Leu	Phe	Leu
			20					25					30		
Ser	Met	Tyr	Leu	Ile	Thr	Ile	Ile	Gly	Asn	Leu	Leu	Ile	Ile	Leu	Ala
		35					40					45			
Val	Ser	Lys	Asp	Ser	Arg	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Cys
	50					55					60				
Asn	Leu	Ser	Phe	Thr	Asp	Ile	Cys	Thr	Ser	Thr	Thr	Thr	Val	Pro	Lys
65					70					75					80
Leu	Leu	Leu	Asn	Ile	Gln	Val	His	Asp	Gln	Ser	Ile	Thr	Tyr	Ile	Gly
			85						90					95	
Cys	Leu	Ser	Gln	Val	Cys	Phe	Ile	Leu	Thr	Phe	Cys	Val	Leu	Glu	Arg
			100					105					110		
Cys	Leu	Leu	Thr	Val	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Gln
		115					120					125			
Pro	Leu	Arg	Tyr	Thr	Ile	Ile	Met	Asn	Pro	Phe	Leu	Cys	Ile	Cys	Leu
	130					135					140				
Val	Leu	Leu	Ser	Leu	Ile	Ile	Ser	Thr	Ile	Asn	Ala	Leu	Leu	His	Thr
145					150					155					160
Leu	Leu	Val	Leu	Pro	Leu	Ser	Phe	Cys	Thr	Glu	Gln	Asn	Val	Pro	Asn

				165					170					175					
Phe	Phe	Cys	Glu	Leu	Gly	Gln	Ile	Thr	Lys	Leu	Ser	Cys	Ser	Asp	Thr				
			180					185					190						
Phe	Ile	Asn	Ile	Leu	Phe	Ile	Tyr	Thr	Ala	Thr	Ile	Val	Phe	Ser	Val				
		195					200					205							
Ile	Pro	Leu	Ser	Gly	Ile	Ile	Phe	Ser	Tyr	Ile	Gln	Ile	Val	Ser	Ser				
	210					215					220								
Ile	Leu	Lys	Ile	Pro	Ser	Val	Gly	Gly	Arg	His	Lys	Ala	Phe	Ser	Thr				
225					230				235						240				
Cys	Gly	Ser	His	Leu	Ser	Val	Val	Ser	Leu	Phe	Tyr	Gly	Thr	Gly	Leu				
			245					250						255					
Gly	Val	Tyr	Met	Asn	Ala	Ser	Val	Ser	Asn	Ser	Ser	Ile	Ser	Asn	Val				
			260					265						270					
Ile	Thr	Ser	Met	Met	Tyr	Ser	Val	Val	Pro	Gln	Met	Leu	Asn	Pro	Phe				
		275					280						285						
Ile	Tyr	Ser	Leu	Arg	Ser	Lys	Glu	Ile	Lys	Gly	Ser	Leu	Arg	Gln	Leu				
	290					295					300								
Ile	Ile	Gly	Ile	Ile	Cys	Phe	Pro												
305					310														

<210> 1521

<211> 311

<212> PRT

<213> Mus musculus

<400> 1521

Met	Lys	Pro	Glu	Asn	Gln	Thr	Asn	Ile	Leu	Glu	Phe	Leu	Leu	Leu	Gly				
1				5					10					15					
Phe	Ser	Gln	Tyr	Pro	Glu	His	Gln	Pro	Met	Leu	Phe	Gly	Leu	Phe	Leu				
		20						25					30						
Leu	Met	Phe	Val	Val	Ala	Val	Leu	Gly	Asn	Leu	Leu	Ile	Ile	Leu	Ala				
		35					40					45							
Val	Ser	Ile	Asp	Ser	His	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Ser				
	50					55					60								
Asn	Leu	Ser	Phe	Ser	Asp	Ile	Gly	Phe	Ile	Ser	Thr	Thr	Val	Pro	Lys				
65					70					75					80				
Met	Leu	Val	Asn	Ile	Gln	Thr	Gln	Ser	Lys	Ser	Ile	Ser	Tyr	Ala	Glu				
			85						90					95					
Cys	Ile	Thr	Gln	Ile	Tyr	Phe	Phe	Met	Leu	Phe	Gly	Gly	Met	Asp	Thr				
			100					105					110						
Leu	Leu	Leu	Thr	Val	Met	Ala	Tyr	Asp	Arg	Phe	Val	Ala	Ile	Cys	His				
		115					120					125							
Pro	Leu	His	Tyr	Ser	Val	Ile	Met	Asn	Pro	Gln	Leu	Ser	Gly	Leu	Leu				
	130					135					140								
Val	Leu	Val	Ser	Trp	Phe	Ile	Ser	Phe	Ser	Tyr	Ser	Leu	Ile	Gln	Ser				
145					150					155					160				
Leu	Leu	Met	Leu	Arg	Leu	Ser	Phe	Cys	Thr	Asn	Gln	Ile	Ile	Lys	His				
			165					170						175					
Phe	Tyr	Cys	Glu	Tyr	Ala	Lys	Ala	Leu	Thr	Ile	Ala	Cys	Ser	Asp	Thr				
			180					185						190					
Leu	Ile	Asn	His	Ile	Leu	Leu	Tyr	Ile	Val	Ile	Trp	Val	Leu	Gly	Phe				
		195					200					205							
Ile	Pro	Phe	Ser	Gly	Ile	Leu	Tyr	Ser	Tyr	Tyr	Lys	Ile	Phe	Ser	Ser				
	210					215					220								
Ile	Leu	Arg	Ile	Pro	Ser	Thr	Asp	Gly	Lys	Tyr	Lys	Ala	Phe	Ser	Thr				
225					230					235					240				
Cys	Gly	Ser	His	Leu	Ser	Val	Val	Ser	Leu	Phe	Tyr	Gly	Thr	Gly	Leu				
			245					250						255					

Ser	Val	Tyr	Leu	Ser	Ser	Asp	Ala	Thr	Ser	Ser	Ser	Gly	Lys	Gly	Val
			260					265					270		
Val	Ala	Ser	Val	Met	Tyr	Thr	Val	Val	Thr	Pro	Met	Leu	Asn	Pro	Phe
		275					280					285			
Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Ile	Lys	Lys	Ala	Leu	Lys	Thr	Leu
	290					295					300				
Gly	Arg	Ile	Leu	Leu	Leu	Lys									
305					310										

<210> 1522
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 <212> PRT
 <213> Mus musculus

<400> 1522

Met	Lys	Pro	Glu	Asn	Gln	Thr	Asn	Ile	Leu	Glu	Phe	Leu	Leu	Leu	Gly
1				5				10						15	
Phe	Ser	Gln	Tyr	Pro	Glu	His	Gln	Pro	Met	Leu	Phe	Gly	Leu	Phe	Leu
		20					25					30			
Leu	Met	Phe	Val	Val	Ala	Val	Phe	Gly	Asn	Leu	Leu	Ile	Ile	Leu	Ala
		35				40						45			
Val	Ser	Ile	Asp	Ser	His	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Ser
	50				55					60					
Asn	Leu	Ser	Phe	Ser	Asp	Ile	Gly	Phe	Ile	Ser	Thr	Thr	Ile	Pro	Lys
65				70				75						80	
Met	Leu	Val	Asn	Ile	Gln	Thr	Gln	Ser	Lys	Ser	Ile	Ser	Tyr	Ala	Glu
			85					90						95	
Cys	Ile	Thr	Gln	Ile	Tyr	Phe	Phe	Met	Leu	Phe	Gly	Gly	Met	Asp	Thr
		100					105						110		
Leu	Leu	Leu	Thr	Val	Met	Ala	Tyr	Asp	Arg	Phe	Val	Ala	Ile	Cys	His
		115					120					125			
Pro	Leu	His	Tyr	Ser	Val	Ile	Met	Asn	Pro	Gln	Leu	Ser	Gly	Leu	Leu
	130					135					140				
Val	Leu	Val	Ser	Trp	Phe	Ile	Ser	Phe	Ser	Tyr	Ser	Leu	Ile	Gln	Ser
145				150					155					160	
Leu	Leu	Met	Leu	Arg	Leu	Ser	Phe	Cys	Thr	Asn	Gln	Ile	Ile	Lys	His
			165					170						175	
Phe	Tyr	Cys	Glu	Tyr	Ser	Arg	Ala	Leu	Thr	Ile	Ala	Cys	Ser	Asp	Thr
		180					185					190			
Leu	Ile	Asn	His	Ile	Leu	Leu	Tyr	Ile	Leu	Ile	Cys	Val	Leu	Gly	Phe
		195					200					205			
Ile	Pro	Phe	Ser	Gly	Ile	Leu	Tyr	Ser	Tyr	Cys	Lys	Ile	Val	Ser	Ser
	210					215					220				
Ile	Leu	Arg	Ile	Pro	Ser	Thr	Asp	Gly	Lys	Tyr	Lys	Ala	Phe	Ser	Thr
225				230					235					240	
Cys	Gly	Ser	His	Leu	Ser	Val	Val	Ser	Leu	Phe	Tyr	Gly	Thr	Gly	Leu
			245					250						255	
Gly	Val	Tyr	Leu	Ser	Ser	Asp	Val	Thr	Ser	Ser	Ser	Gly	Lys	Asp	Val
		260					265						270		
Val	Ala	Ser	Val	Met	Tyr	Thr	Val	Val	Thr	Pro	Met	Leu	Asn	Pro	Phe
		275					280					285			
Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Ile	Lys	Lys	Ala	Leu	Lys	Thr	Leu
	290					295					300				
Gly	Arg	Ile	Leu	Leu	Leu	Lys									
305					310										

<210> 1523

<211> 311
 <212> PRT
 <213> Mus musculus

<400> 1523

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Met Gln Asn Gln Ser Leu Val Asn Glu Phe Ile Leu Leu Gly Leu Ser
 1      5      10      15
Gln Asn Thr Lys Val Glu Lys Ile Leu Phe Leu Leu Phe Leu Leu Ile
      20      25      30
Tyr Leu Ala Thr Ile Gly Gly Asn Met Ile Ile Val Ala Thr Ile Ile
      35      40      45
Tyr Ser Pro Ala Leu Leu Gly Ser Pro Met Tyr Phe Phe Leu Val Phe
 50      55      60
Leu Ser Leu Leu Asp Ala Cys Thr Ser Thr Val Val Thr Pro Lys Met
65      70      75      80
Ile Val Gly Phe Phe Tyr Glu Arg Lys Ile Ile Ser Phe Glu Gly Cys
      85      90      95
Met Thr Gln Leu Phe Ala Ile His Phe Phe Thr Ala Val Glu Val Ile
      100     105     110
Val Leu Ser Ala Met Ala Tyr Asp Arg Tyr Val Ala Ile Cys Lys Pro
      115     120     125
Leu His Tyr Leu Ser Ile Met Ser Lys Arg Val Cys Gly Val Leu Val
      130     135     140
Gly Ile Ala Trp Ala Gly Gly Phe Leu His Ser Ile Ile Gln Ile Val
145      150     155     160
Phe Thr Leu Gln Leu Pro Phe Cys Gly Pro Asn Val Ile Asp His Tyr
      165     170     175
Met Cys Asp Leu Phe Pro Leu Leu Lys Leu Ala Cys Thr Asp Thr Gln
      180     185     190
Ile Phe Val Ile Leu Val Phe Ala Asn Ser Gly Ser Ile Cys Ile Ile
      195     200     205
Ile Phe Ser Leu Leu Leu Val Ser Tyr Gly Val Ile Leu Phe Ser Leu
      210     215     220
Arg Ala His Ser Ser Glu Gly Arg Tyr Lys Ala Leu Ser Thr Cys Gly
225      230     235     240
Ser His Ile Thr Val Val Val Leu Phe Phe Val Pro Cys Ile Leu Ile
      245     250     255
Tyr Ala Arg Pro Ser Ser Pro Phe Ser Phe Glu Lys Asn Thr Leu Ile
      260     265     270
Phe Ala Asn Val Leu Thr Pro Leu Leu Asn Pro Met Val Tyr Thr Phe
      275     280     285
Arg Asn Lys Glu Met Lys Ser Ala Ile Arg Lys Met Trp Lys Arg Leu
      290     295     300
Val Val Val Ser Asp Lys Tyr
305      310

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<210> 1524
 <211> 304
 <212> PRT
 <213> Mus musculus

<400> 1524

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Met Gln Asn Gln Ser Phe Val Thr Glu Phe Ile Leu Leu Gly Leu Ser
 1      5      10      15
Gln Asn Leu Asn Val Glu Lys Met Leu Phe Val Leu Phe Leu Phe Ile
      20      25      30
Tyr Ile Ala Thr Ile Gly Gly Asn Met Met Ile Val Val Thr Ile Ile
      35      40      45

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Tyr	Ser	Pro	Ala	Leu	Leu	Gly	Ser	Pro	Met	Tyr	Phe	Phe	Leu	Ala	Phe
50						55					60				
Leu	Ser	Phe	Leu	Asp	Ala	Cys	Thr	Ser	Ser	Thr	Val	Thr	Pro	Lys	Ile
65					70					75					80
Ile	Val	Asp	Cys	Phe	Tyr	Glu	Arg	Lys	Thr	Ile	Ser	Phe	Glu	Cys	Cys
				85					90					95	
Met	Thr	Gln	Leu	Phe	Thr	Val	His	Phe	Phe	Thr	Gly	Ala	Glu	Val	Ile
			100					105					110		
Val	Leu	Ala	Ser	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Lys	Pro
		115					120				125				
Leu	His	Tyr	Ser	Ser	Ile	Met	Thr	Gln	Arg	Leu	Cys	Gly	Ile	Leu	Val
	130					135					140				
Val	Val	Ser	Trp	Ala	Gly	Gly	Phe	Leu	His	Ser	Ile	Ile	Gln	Ile	Ile
145					150					155					160
Phe	Thr	Leu	Gln	Leu	Pro	Leu	Cys	Gly	Pro	Asn	Val	Ile	Asp	His	Tyr
			165						170					175	
Met	Cys	Asp	Leu	Phe	Pro	Leu	Leu	Lys	Leu	Ala	Cys	Thr	Asp	Thr	His
			180					185					190		
Ile	Tyr	Val	Leu	Leu	Ile	Phe	Ala	Asn	Ser	Gly	Ala	Ile	Cys	Ile	Ile
	195					200					205				
Ile	Phe	Ser	Leu	Leu	Ile	Val	Ser	Tyr	Gly	Val	Ile	Leu	Phe	Ser	Leu
	210					215					220				
Arg	Ala	Gln	Ser	Ser	Glu	Gly	Arg	Arg	Lys	Ala	Leu	Ser	Thr	Cys	Gly
225					230					235					240
Ser	His	Ile	Thr	Val	Val	Leu	Leu	Phe	Phe	Val	Pro	Cys	Ile	Leu	Ile
				245					250					255	
Tyr	Ala	Arg	Pro	Thr	Ser	Ala	Phe	Ser	Phe	Glu	Lys	Asn	Met	Leu	Ile
			260					265					270		
Phe	Val	Asn	Val	Leu	Thr	Pro	Leu	Leu	Asn	Pro	Met	Val	Tyr	Thr	Phe
	275						280					285			
Arg	Asn	Lys	Glu	Met	Ile	Asn	Ala	Ile	Lys	Lys	Ile	Trp	Lys	Arg	Phe
	290					295					300				

<210> 1525
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 <212> PRT
 <213> Mus musculus

<400> 1525

Met	Glu	Asn	Gln	Ser	Ile	Val	Asn	Glu	Phe	Ile	Leu	Leu	Gly	Leu	Ser
1				5					10					15	
Gln	Asn	Pro	Lys	Ile	Glu	Asn	Ile	Leu	Phe	Val	Val	Phe	Leu	Leu	Val
			20					25					30		
Tyr	Leu	Ala	Thr	Ile	Gly	Gly	Asn	Met	Met	Ile	Ile	Ala	Thr	Ile	Ile
	35					40						45			
Tyr	Ser	Pro	Ala	Leu	Leu	Gly	Ser	Pro	Met	Tyr	Phe	Phe	Leu	Ile	Phe
	50					55				60					
Leu	Ser	Leu	Leu	Asp	Thr	Cys	Thr	Ser	Thr	Val	Val	Thr	Pro	Lys	Leu
65				70						75					80
Ile	Leu	Asp	Phe	Phe	Tyr	Glu	Arg	Lys	Thr	Ile	Ser	Phe	Glu	Gly	Cys
			85						90					95	
Met	Thr	Gln	Leu	Phe	Ala	Phe	His	Phe	Phe	Thr	Gly	Ala	Glu	Val	Ile
			100					105					110		
Val	Leu	Ala	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Lys	Pro	
		115				120					125				
Leu	His	Tyr	Ser	Ser	Ile	Met	Thr	Trp	Arg	Leu	Cys	Gly	Val	Leu	Val
	130					135					140				
Gly	Val	Ala	Trp	Thr	Gly	Gly	Phe	Leu	His	Ser	Ile	Ile	Gln	Ile	Ile

145					150					155				160	
Phe	Thr	Leu	Gln	Leu	Pro	Phe	Cys	Gly	Pro	Asn	Val	Ile	Asp	Asn	Tyr
				165					170					175	
Ile	Cys	Asp	Leu	Phe	Pro	Leu	Leu	Lys	Leu	Ala	Cys	Thr	Asp	Thr	His
			180					185					190		
Ile	Phe	Val	Phe	Leu	Val	Phe	Ala	Asn	Ser	Gly	Ser	Ile	Cys	Ile	Ile
		195					200					205			
Ile	Phe	Ser	Leu	Leu	Leu	Val	Ser	Tyr	Gly	Val	Ile	Leu	Phe	Ser	Leu
	210					215					220				
Arg	Gly	His	Ser	Ser	Glu	Gly	Arg	Leu	Lys	Ala	Leu	Ser	Thr	Cys	Gly
225					230					235					240
Ser	His	Ile	Thr	Val	Val	Val	Leu	Phe	Phe	Val	Pro	Cys	Ile	Leu	Ile
				245					250					255	
Tyr	Ala	Arg	Thr	Thr	Ser	Pro	Phe	Pro	Tyr	Glu	Lys	Tyr	Val	Ala	Ile
			260					265					270		
Phe	Val	Asn	Val	Ile	Thr	Pro	Leu	Leu	Asn	Pro	Met	Val	Tyr	Thr	Phe
		275					280					285			
Arg	Asn	Lys	Glu	Met	Lys	Asn	Ala	Ile	Arg	Lys	Met	Cys	Arg	Arg	Ser
	290					295					300				
Lys	Val	Val	Ser	Asp	Asn	Tyr									
305					310										

<210> 1526
 <211> 311
 <212> PRT
 <213> Mus musculus

<400> 1526

Met	Gln	Asn	Gln	Ser	Phe	Val	Thr	Glu	Phe	Ile	Leu	Leu	Gly	Leu	Ser
1				5					10					15	
Gln	Asn	Leu	Tyr	Val	Glu	Lys	Ile	Leu	Phe	Val	Leu	Phe	Leu	Leu	Ile
			20					25					30		
Tyr	Leu	Ala	Thr	Ile	Gly	Gly	Asn	Met	Ile	Ile	Val	Val	Thr	Ile	Ile
		35					40					45			
Tyr	Ser	Pro	Ala	Leu	Leu	Gly	Ser	Pro	Met	Tyr	Phe	Phe	Leu	Ile	Phe
	50					55					60				
Leu	Ser	Leu	Leu	Asp	Ala	Leu	Thr	Ser	Ser	Thr	Val	Thr	Pro	Lys	Ile
65				70						75					80
Ile	Val	Asp	Cys	Phe	Tyr	Glu	Arg	Lys	Thr	Ile	Ser	Phe	Glu	Cys	Cys
			85						90				95		
Met	Thr	Gln	Leu	Phe	Thr	Val	His	Phe	Phe	Thr	Gly	Ala	Glu	Val	Ile
			100					105					110		
Val	Leu	Ala	Ser	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Lys	Pro
		115					120					125			
Leu	His	Tyr	Ser	Ser	Ile	Met	Thr	Arg	Arg	Leu	Cys	Gly	Ile	Leu	Val
	130					135					140				
Val	Val	Ser	Trp	Ala	Gly	Gly	Phe	Leu	His	Ser	Ile	Ile	Gln	Ile	Ile
145					150					155					160
Phe	Thr	Leu	Gln	Leu	Pro	Phe	Cys	Gly	Pro	Asn	Val	Ile	Asp	His	Tyr
			165					170						175	
Met	Cys	Asp	Leu	Phe	Pro	Leu	Leu	Lys	Leu	Ala	Cys	Thr	Asp	Thr	His
			180					185					190		
Ile	Tyr	Val	Leu	Leu	Ile	Phe	Ala	Asn	Ser	Gly	Ala	Ile	Cys	Ile	Ile
		195					200					205			
Ile	Phe	Ser	Leu	Leu	Leu	Val	Ser	Tyr	Gly	Ile	Ile	Leu	Phe	Ser	Leu
	210					215					220				
Arg	Ala	His	Ser	Ser	Glu	Gly	Arg	Arg	Lys	Ala	Leu	Ser	Thr	Cys	Gly
225					230					235					240

<210> 1528
 <211> 311
 <212> PRT
 <213> Mus musculus

<400> 1528
 Met His Asn Gln Ser Tyr Val Asn Glu Phe Ile Leu Leu Gly Leu Ser
 1 5 10 15
 Gln Asn Pro Gln Ile Glu Lys Ile Ser Phe Phe Ile Phe Leu Leu Val
 20 25 30
 Tyr Leu Ala Thr Leu Val Gly Asn Met Ile Ile Val Val Thr Ile Val
 35 40 45
 Tyr Ser Pro Ala Leu Leu Gly Ser Pro Met Tyr Phe Phe Leu Ala Phe
 50 55 60
 Leu Ser Phe Leu Asp Ala Cys Val Ser Ser Val Val Thr Pro Lys Met
 65 70 75 80
 Ile Ala Asp Met Thr Tyr Glu Arg Lys Ile Ile Ser Phe Glu Cys Cys
 85 90 95
 Met Thr Gln Val Phe Ala Val His Phe Leu Thr Ala Val Glu Val Ile
 100 105 110
 Val Leu Ala Ala Met Ala Tyr Asp Arg Tyr Val Ala Ile Cys Lys Pro
 115 120 125
 Leu His Tyr Ser Phe Ile Met Asn Arg Arg Leu Cys Gly Thr Leu Val
 130 135 140
 Gly Val Ala Trp Ala Gly Gly Phe Leu His Ser Ile Ile Gln Ile Ala
 145 150 155 160
 Phe Thr Leu Lys Leu Pro Phe Cys Gly Pro Asn Val Ile Asp His Phe
 165 170 175
 Ile Cys Asp Leu Phe Pro Leu Leu Lys Leu Ala Cys Thr Asp Ile His
 180 185 190
 Ile Phe Ile Ile Leu Val Phe Ala Asn Ser Gly Ser Ile Cys Ile Ile
 195 200 205
 Ile Phe Ser Phe Leu Leu Ile Ser Tyr Gly Val Ile Leu Phe Ser Leu
 210 215 220
 Arg Ala His Ser Ser Glu Gly Arg Arg Lys Ala Leu Ser Thr Cys Gly
 225 230 235 240
 Ser His Ile Thr Val Val Phe Phe Phe Val Pro Cys Ile Leu Ile
 245 250 255
 Tyr Ala Arg Pro Thr Ser Ala Phe Ser Phe Glu Lys Asn Val Phe Val
 260 265 270
 Phe Thr Asp Val Leu Thr Pro Leu Leu Asn Pro Met Val Tyr Thr Phe
 275 280 285
 Arg Asn Lys Glu Met Ile Asn Ala Ile Gly Lys Met Arg Lys Arg Leu
 290 295 300
 Ile Met Val Pro Asp Lys Tyr
 305 310

<210> 1529
 <211> 307
 <212> PRT
 <213> Mus musculus

<400> 1529
 Met Gln Gln Asn Ser Thr Val Thr Glu Phe Ile Leu Leu Gly Leu Thr
 1 5 10 15
 Gln Asp Pro Leu Lys Gln Lys Met Val Phe Ile Ile Phe Leu Val Phe
 20 25 30

Tyr	Met	Gly	Thr	Val	Val	Gly	Asn	Thr	Leu	Ile	Ile	Val	Thr	Ile	Lys
		35					40					45			
Phe	Ser	Arg	Thr	Leu	Gly	Gly	Pro	Met	Tyr	Phe	Phe	Leu	Phe	Tyr	Leu
	50				55					60					
Ser	Phe	Ala	Asp	Ser	Cys	Phe	Ser	Thr	Ser	Thr	Ala	Pro	Arg	Leu	Ile
65				70					75					80	
Val	Asp	Ala	Leu	Ser	Lys	Lys	Asn	Ile	Ile	Ser	Tyr	Asn	Glu	Cys	Met
			85						90					95	
Thr	Gln	Val	Phe	Ala	Leu	His	Leu	Phe	Gly	Cys	Met	Glu	Val	Phe	Val
		100						105					110		
Leu	Ile	Phe	Met	Ala	Val	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Lys	Pro	Leu
	115					120						125			
His	Tyr	Pro	Val	Ile	Met	Arg	Arg	Gln	Val	Cys	Val	Ile	Leu	Ile	Ile
	130				135						140				
Val	Ala	Trp	Ile	Gly	Ser	Phe	Leu	His	Ser	Thr	Thr	Gln	Ile	Val	Leu
145				150					155					160	
Ala	Leu	Arg	Leu	Pro	Phe	Cys	Gly	Pro	Asn	Leu	Ile	Asp	His	Tyr	Cys
			165						170					175	
Cys	Asp	Leu	Gln	Pro	Leu	Leu	Glu	Leu	Ala	Cys	Met	Asp	Thr	His	Met
		180					185					190			
Ile	Asn	Leu	Leu	Leu	Val	Phe	Asn	Ser	Gly	Ala	Ile	Cys	Ser	Ser	Ser
	195					200						205			
Phe	Leu	Ile	Phe	Ile	Ile	Ser	Tyr	Phe	Val	Ile	Leu	Tyr	Ser	Leu	Arg
	210				215						220				
Asn	His	Ser	Ala	Glu	Gly	Arg	Lys	Lys	Ala	Leu	Ser	Thr	Cys	Thr	Ser
225				230					235					240	
His	Ile	Ile	Val	Val	Val	Leu	Ser	Phe	Gly	Pro	Cys	Ile	Phe	Ile	Tyr
			245						250					255	
Ala	Arg	Pro	Pro	Thr	Thr	Phe	Ser	Met	Asp	Lys	Met	Val	Thr	Val	Phe
		260						265					270		
Phe	Thr	Ile	Gly	Ser	Pro	Phe	Leu	Asn	Pro	Ile	Ile	Tyr	Thr	Leu	Arg
	275					280						285			
Asn	Ala	Glu	Val	Lys	Asn	Ala	Met	Lys	Lys	Leu	Trp	His	Val	Lys	Ile
	290				295						300				
Met	Thr	Glu													
305															

<210> 1530

<211> 307

<212> PRT

<213> Mus musculus

<400> 1530

Met	Gln	Gln	Asn	Ser	Thr	Val	Thr	Glu	Phe	Ile	Leu	Leu	Gly	Leu	Thr
1			5						10				15		
Gln	Asp	Pro	Leu	Lys	Gln	Lys	Met	Val	Phe	Ile	Ile	Phe	Leu	Val	Phe
		20						25				30			
Tyr	Leu	Gly	Thr	Val	Val	Gly	Asn	Thr	Leu	Ile	Ile	Val	Thr	Ile	Lys
	35					40						45			
Phe	Ser	Arg	Thr	Leu	Gly	Ser	Pro	Met	Tyr	Phe	Phe	Leu	Phe	Tyr	Leu
	50				55					60					
Ser	Phe	Ser	Asp	Ser	Cys	Phe	Ser	Thr	Ser	Thr	Ala	Pro	Arg	Leu	Ile
65				70					75					80	
Val	Asp	Ala	Leu	Ser	Lys	Lys	Asn	Ile	Ile	Ser	Tyr	Asn	Glu	Cys	Met
			85						90					95	
Thr	Gln	Val	Phe	Ala	Leu	His	Leu	Phe	Gly	Cys	Met	Asp	Val	Phe	Ile
		100						105				110			
Leu	Ile	Phe	Met	Ala	Val	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Lys	Pro	Leu

Arg	Tyr	Ser	Val	Ile	Met	Arg	Arg	Gln	Val	Cys	Val	Ile	Leu	Ile	Ile
130						135					140				
Val	Ala	Trp	Ile	Gly	Ser	Phe	Leu	His	Ser	Thr	Thr	Gln	Ile	Val	Leu
145					150					155					160
Ala	Leu	Arg	Leu	Pro	Phe	Cys	Gly	Pro	Asn	Leu	Ile	Asp	His	Tyr	Cys
				165					170					175	
Cys	Asp	Leu	Gln	Pro	Leu	Leu	Lys	Leu	Ala	Cys	Met	Asp	Thr	Tyr	Met
			180					185					190		
Ile	Asn	Leu	Leu	Leu	Val	Phe	Asn	Ser	Gly	Ala	Ile	Cys	Ser	Ser	Ser
	195						200					205			
Phe	Val	Ile	Leu	Ile	Ile	Ser	Tyr	Phe	Val	Ile	Leu	His	Ser	Leu	Arg
	210					215					220				
Asn	His	Ser	Ala	Glu	Gly	Arg	Lys	Lys	Ala	Leu	Ser	Thr	Cys	Thr	Ser
225					230					235					240
His	Ile	Ile	Val	Val	Ile	Leu	Ser	Phe	Val	Pro	Cys	Ile	Phe	Ile	Tyr
				245					250					255	
Ala	Arg	Pro	Pro	Thr	Thr	Phe	Pro	Met	Asp	Lys	Met	Val	Thr	Val	Phe
			260					265					270		
Tyr	Thr	Ile	Gly	Thr	Pro	Phe	Leu	Asn	Pro	Ile	Ile	Tyr	Thr	Leu	Arg
	275						280					285			
Asn	Ala	Glu	Val	Lys	Asn	Ala	Met	Lys	Lys	Leu	Trp	His	Val	Lys	Phe
	290					295					300				
Ile	Met	Lys													
305															

<210> 1531

<211> 307

<212> PRT

<213> Mus musculus

<400> 1531

Met	Gln	His	Asn	Ser	Thr	Val	Thr	Lys	Phe	Ile	Leu	Leu	Gly	Leu	Thr
1				5					10					15	
Gln	Asp	Pro	Leu	Lys	Gln	Lys	Met	Val	Phe	Ile	Ile	Phe	Leu	Val	Phe
			20					25					30		
Tyr	Leu	Gly	Thr	Val	Val	Gly	Asn	Thr	Leu	Ile	Ile	Met	Thr	Ile	Lys
	35						40					45			
Phe	Ser	Arg	Thr	Leu	Gly	Ser	Pro	Met	Tyr	Phe	Phe	Leu	Phe	Tyr	Leu
	50					55				60					
Ser	Phe	Ala	Asp	Ser	Cys	Phe	Ser	Thr	Ser	Thr	Ala	Pro	Arg	Leu	Ile
65					70					75				80	
Val	Asp	Ala	Leu	Ser	Lys	Lys	Asn	Ile	Ile	Ser	Tyr	Asn	Glu	Cys	Met
				85					90					95	
Thr	Gln	Val	Phe	Ala	Leu	His	Leu	Phe	Gly	Cys	Met	Glu	Ile	Phe	Val
			100					105					110		
Leu	Ile	Leu	Met	Ala	Val	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Lys	Pro	Leu
		115						120				125			
Arg	Tyr	Pro	Val	Ile	Met	Ser	Arg	Gln	Val	Cys	Val	Ile	Leu	Ile	Ile
	130					135						140			
Leu	Ala	Trp	Ile	Gly	Ser	Phe	Ile	His	Ser	Thr	Ala	Gln	Ile	Val	Leu
145					150					155					160
Ala	Leu	Arg	Leu	Pro	Phe	Cys	Gly	Pro	Asn	Leu	Ile	Asp	His	Tyr	Cys
				165					170					175	
Cys	Asp	Leu	Gln	Pro	Leu	Leu	Lys	Leu	Ala	Cys	Met	Asp	Thr	Tyr	Met
			180					185					190		
Ile	Asn	Leu	Leu	Leu	Val	Ser	Asn	Ser	Gly	Ala	Ile	Cys	Ser	Ser	Ser
	195						200					205			

Phe	Val	Ile	Leu	Ile	Ile	Ser	Tyr	Phe	Val	Ile	Leu	His	Ser	Leu	Arg
210						215					220				
Asn	His	Ser	Ala	Glu	Gly	Arg	Lys	Lys	Ala	Leu	Ser	Thr	Cys	Thr	Ser
225					230					235					240
His	Ile	Ile	Val	Val	Ile	Leu	Phe	Phe	Gly	Pro	Cys	Ile	Phe	Ile	Tyr
			245						250					255	
Ala	Arg	Pro	Pro	Thr	Thr	Phe	Ser	Met	Asp	Lys	Met	Val	Ala	Val	Phe
			260					265					270		
Tyr	Thr	Ile	Gly	Thr	Pro	Phe	Leu	Asn	Pro	Ile	Ile	Tyr	Thr	Leu	Arg
		275					280					285			
Asn	Ala	Glu	Val	Lys	Asn	Ala	Met	Lys	Lys	Leu	Trp	His	Val	Lys	Ile
290						295					300				
Met	Asn	Glu													
305															

<210> 1532

<211> 311

<212> PRT

<213> Mus musculus

<400> 1532

Met	Gln	Asn	Gln	Ser	Ser	Val	Thr	Glu	Phe	Ile	Ile	Leu	Gly	Leu	Ser
1				5					10					15	
Gln	Asn	Pro	Lys	Ile	Glu	Lys	Ile	Leu	Phe	Val	Val	Phe	Leu	Leu	Val
			20					25					30		
Tyr	Met	Ala	Thr	Val	Gly	Gly	Asn	Met	Ile	Ile	Val	Val	Thr	Ile	Ile
		35					40					45			
Tyr	Ser	Pro	Ala	Leu	Leu	Ser	Ser	Pro	Met	Tyr	Phe	Phe	Leu	Ala	Phe
	50					55					60				
Leu	Ser	Phe	Leu	Asp	Ala	Cys	Val	Ser	Ser	Thr	Val	Thr	Pro	Lys	Met
65				70						75					80
Val	Val	Asp	Phe	Leu	His	Glu	Lys	Lys	Thr	Ile	Ser	Phe	Gly	Cys	Cys
				85					90					95	
Met	Thr	Gln	Leu	Phe	Ser	Val	His	Phe	Phe	Ser	Gly	Ala	Glu	Met	Ile
			100					105					110		
Val	Leu	Ala	Ala	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Lys	Pro
		115					120					125			
Leu	His	Tyr	Ser	Ser	Ile	Leu	Thr	Arg	Arg	Leu	Cys	Ser	Ile	Leu	Val
	130					135					140				
Ala	Ile	Ser	Trp	Ala	Gly	Gly	Phe	Leu	His	Ala	Ile	Val	Gln	Val	Ile
145					150					155					160
Phe	Arg	Leu	Gln	Leu	Pro	Leu	Cys	Gly	Pro	Asn	Val	Ile	Asp	His	Tyr
			165					170						175	
Met	Cys	Asp	Leu	Phe	Pro	Leu	Leu	Lys	Leu	Ala	Cys	Thr	Asp	Thr	His
			180					185					190		
Ile	Phe	Val	Leu	Leu	Val	Phe	Ala	Asn	Ser	Gly	Ala	Ile	Cys	Ile	Ile
		195						200					205		
Ile	Phe	Ser	Leu	Leu	Leu	Val	Ser	Tyr	Gly	Val	Ile	Leu	Phe	Ser	Leu
	210					215						220			
Arg	Ala	His	Ser	Ser	Glu	Gly	Arg	Arg	Lys	Ala	Leu	Ser	Thr	Cys	Gly
225					230					235					240
Ala	His	Val	Thr	Val	Val	Val	Leu	Phe	Leu	Val	Pro	Cys	Ile	Leu	Ile
				245					250					255	
Tyr	Ala	Arg	Asp	Thr	Ser	Ala	Phe	Ser	Tyr	Glu	Lys	Asp	Thr	Leu	Ile
			260					265					270		
Phe	Val	Asn	Val	Leu	Thr	Pro	Leu	Leu	Asn	Pro	Met	Val	Tyr	Thr	Phe
		275					280					285			
Arg	Asn	Lys	Glu	Met	Ile	Asn	Ala	Ile	Arg	Lys	Met	Trp	Lys	Arg	Leu

290		295		300
Ile	Val	Ile	Phe	Val
		Arg	Tyr	
305		310		

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 <211> 311
 <212> PRT
 <213> Mus musculus

<400> 1533
 Met Leu Asn Gln Ser Phe Val Thr Glu Phe Ile Leu Leu Gly Leu Ser
 1 5 10 15
 Gln Asn Pro Lys Val Glu Lys Ile Leu Phe Val Leu Phe Phe Leu Val
 20 25 30
 Tyr Leu Ala Thr Ile Gly Gly Asn Ile Val Ile Val Val Thr Ile Leu
 35 40 45
 Phe Ser Pro Ala Leu Phe Gly Ser Pro Met Tyr Phe Phe Leu Ser Phe
 50 55 60
 Leu Ser Phe Leu Asp Ala Cys Ile Ser Ser Val Ile Thr Pro Lys Met
 65 70 75 80
 Ile Val Asp Phe Phe Tyr Glu Thr Lys Thr Ile Ser Phe Glu Cys Cys
 85 90 95
 Met Val Gln Leu Phe Ala Val His Phe Phe Thr Gly Val Glu Val Ile
 100 105 110
 Val Leu Ser Ala Met Ala Tyr Asp Arg Tyr Val Ala Ile Cys Lys Pro
 115 120 125
 Leu His Tyr Ser Ser Ile Met Asn Gln Arg Leu Cys Val Ile Leu Val
 130 135 140
 Gly Ile Ala Trp Ala Gly Phe Leu His Ser Ile Thr Gln Ile Ile
 145 150 155 160
 Phe Thr Leu Gln Leu Pro Phe Cys Gly Pro Asn Val Ile Glu His Phe
 165 170 175
 Ile Cys Asp Leu Phe Pro Leu Leu Lys Leu Ala Cys Thr Asn Thr His
 180 185 190
 Ile Phe Val Ile Leu Val Phe Ala Asn Ser Gly Ser Ile Cys Ile Ile
 195 200 205
 Ile Phe Ser Leu Leu Leu Val Ser Tyr Gly Val Ile Leu Phe Ser Leu
 210 215 220
 Arg Ser His Ser Ser Glu Gly Trp Ser Lys Ala Leu Ser Thr Cys Gly
 225 230 235 240
 Ser His Ile Thr Val Val Leu Leu Phe Phe Val Pro Cys Ile Leu Ile
 245 250 255
 Tyr Ala Arg Asn Thr Ser Ala Phe Ser Phe Glu Lys Asn Val Phe Ile
 260 265 270
 Phe Ala Asp Val Leu Thr Pro Leu Leu Asn Pro Met Val Tyr Thr Phe
 275 280 285
 Arg Asn Lys Glu Met Lys Asn Ala Ile Lys Lys Ile Trp Arg Arg Leu
 290 295 300
 Phe Asn Ile Ser Asp Lys His
 305 310

<210> 1534
 <211> 311
 <212> PRT
 <213> Mus musculus

<400> 1534

Met	Asn	Asn	Gln	Ser	Cys	Val	Thr	Glu	Phe	Ile	Phe	Leu	Gly	Leu	Ser
1				5					10					15	
Gln	Asn	Ser	Lys	Val	Glu	Lys	Ile	Leu	Phe	Phe	Ile	Phe	Leu	Leu	Ile
			20					25					30		
Tyr	Leu	Ala	Thr	Ile	Gly	Gly	Asn	Met	Ile	Ile	Val	Val	Thr	Ile	Ile
		35					40					45			
Tyr	Ser	Pro	Ala	Leu	Leu	Gly	Ser	Pro	Met	Tyr	Phe	Phe	Leu	Ile	Phe
	50					55					60				
Leu	Ser	Leu	Leu	Asp	Ala	Cys	Thr	Ser	Ser	Thr	Val	Thr	Pro	Lys	Met
65				70						75					80
Ile	Val	Asp	Phe	Phe	Tyr	Asp	Arg	Lys	Thr	Ile	Ser	Phe	Glu	Cys	Cys
			85						90					95	
Met	Thr	Gln	Leu	Phe	Ala	Val	His	Phe	Phe	Thr	Gly	Met	Glu	Val	Ile
			100					105						110	
Val	Leu	Ser	Ala	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Lys	Pro
		115					120					125			
Leu	His	Tyr	Ser	Ser	Ile	Met	Asn	Arg	Arg	Leu	Cys	Gly	Asn	Leu	Val
	130					135					140				
Met	Val	Ser	Trp	Ala	Gly	Gly	Phe	Leu	His	Ser	Ile	Ile	Gln	Ile	Ile
145					150					155					160
Phe	Met	Leu	Gln	Leu	Pro	Phe	Cys	Gly	Pro	Asn	Val	Ile	Asp	His	Tyr
			165					170						175	
Met	Cys	Asp	Leu	Phe	Pro	Leu	Leu	Lys	Leu	Ala	Cys	Thr	Asp	Thr	Tyr
		180						185					190		
Ile	Phe	Val	Ile	Leu	Val	Phe	Ala	Asn	Ser	Gly	Ser	Ile	Cys	Ile	Ile
		195					200					205			
Ile	Phe	Ser	Ile	Leu	Leu	Val	Ser	Tyr	Gly	Val	Ile	Leu	Tyr	Ser	Leu
	210					215					220				
Lys	Ala	His	Ser	Ser	Glu	Gly	Lys	Phe	Lys	Ala	Leu	Ser	Thr	Cys	Gly
225					230					235					240
Ser	His	Ile	Ile	Val	Val	Val	Leu	Phe	Phe	Val	Pro	Cys	Ile	Leu	Thr
			245					250						255	
Tyr	Ala	Arg	Pro	Ile	Ser	Ala	Phe	Ser	Phe	Glu	Lys	Asn	Ala	Val	Val
		260						265					270		
Phe	Thr	Thr	Val	Leu	Thr	Pro	Leu	Leu	Asn	Ser	Val	Val	Tyr	Thr	Phe
		275					280					285			
Arg	Asn	Lys	Glu	Met	Lys	Asn	Ala	Ile	Arg	Lys	Met	Trp	Lys	Lys	Leu
	290					295					300				
Ile	Ala	Val	Ser	Asp	Lys	His									
305					310										

<210> 1535

<211> 319

<212> PRT

<213> Mus musculus

<400> 1535

Met	Thr	Ala	Arg	Asn	Met	Thr	Thr	Met	Ser	Gly	Phe	Leu	Leu	Met	Gly
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Phe	Ser	Asp	Asn	His	Glu	Leu	Gln	Ile	Leu	Gln	Ala	Leu	Leu	Phe	Leu
			20					25					30		
Leu	Thr	Tyr	Leu	Leu	Gly	Ser	Ala	Gly	Asn	Phe	Ile	Ile	Ile	Thr	Ile
		35					40					45			
Thr	Thr	Leu	Asp	Pro	Gln	Leu	Gln	Ser	Pro	Met	Tyr	Phe	Leu	Lys	
	50					55					60				
Gln	Leu	Ser	Thr	Leu	Asp	Leu	Ser	Ser	Leu	Ser	Val	Thr	Val	Pro	Gln
65					70					75					80
Tyr	Val	Ala	Ser	Ser	Leu	Ala	Arg	Ser	Gly	Tyr	Ile	Ser	Tyr	Gly	Gln

Ile	Asp	Ser	Phe	Phe	Cys	Asp	Met	Pro	Leu	Val	Ile	Lys	Leu	Ala	Cys
			180					185					190		
Met	Asp	Ser	His	Asn	Leu	Asp	Ile	Leu	Met	Tyr	Ala	Asp	Cys	Gly	Val
		195					200					205			
Val	Gly	Val	Thr	Cys	Phe	Ile	Leu	Leu	Leu	Ile	Ser	Tyr	Thr	Tyr	Ile
	210					215					220				
Leu	Ile	Thr	Val	Arg	Arg	Ser	Ser	Lys	Ala	Gly	Ala	Ser	Lys	Ala	Leu
225					230					235					240
Ser	Thr	Cys	Thr	Ala	His	Ile	Thr	Val	Val	Met	Ile	Phe	Phe	Val	Pro
				245					250					255	
Cys	Ile	Phe	Ile	Tyr	Val	Trp	Pro	Leu	Asn	Ile	Thr	Trp	Leu	Asp	Lys
			260					265					270		
Phe	Leu	Ala	Val	Phe	Tyr	Ser	Val	Phe	Thr	Pro	Leu	Leu	Asn	Pro	Ala
		275					280					285			
Ile	Tyr	Thr	Leu	Arg	Asn	Lys	Glu	Met	Lys	Asn	Ala	Met	Arg	Arg	Phe
	290					295					300				
Ile	Asn	Asn	Tyr	Met	Asp	Ser	Gln	Gly	Lys	Ser					
305					310					315					

<210> 1537

<211> 312

<212> PRT

<213> Mus musculus

<400> 1537

Met	Asp	Gly	Asp	Asn	Gln	Thr	Val	Val	Ser	Glu	Phe	Val	Leu	Leu	Gly
1				5					10					15	
Leu	Ser	Asn	Ser	Lys	Asn	Leu	Gln	Val	Leu	Leu	Phe	Leu	Ile	Phe	Leu
			20					25					30		
Leu	Leu	Tyr	Leu	Leu	Ile	Met	Ser	Gly	Asn	Ile	Val	Ile	Gln	Ile	Leu
		35				40					45				
Ile	Thr	Thr	Asp	Pro	His	Leu	His	Ser	Pro	Met	Tyr	Phe	Leu	Leu	Ala
	50					55				60					
Asn	Leu	Ser	Phe	Val	Asp	Met	Leu	Leu	Ser	Ser	Asn	Thr	Thr	Pro	Arg
65					70					75				80	
Met	Ile	Ile	Asp	Phe	Phe	Arg	Glu	Lys	Lys	Thr	Ile	Ser	Phe	Ala	Gly
			85						90					95	
Cys	Met	Ser	Gln	Ile	Phe	Phe	Ser	His	Cys	Ile	Ala	Ser	Gly	Glu	Val
			100					105					110		
Val	Leu	Leu	Ala	Leu	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Lys
		115					120					125			
Pro	Leu	His	Tyr	Phe	Thr	Ile	Met	Asn	Leu	Lys	Arg	Cys	Thr	Gly	Leu
	130					135					140				
Val	Leu	Thr	Ser	Trp	Thr	Ile	Gly	Phe	Leu	His	Gly	Ile	Ser	His	Val
145					150					155					160
Val	Val	Leu	Leu	Gln	Leu	Pro	Phe	Cys	Gly	Pro	Asn	Lys	Ile	Asp	Ser
				165					170					175	
Phe	Phe	Cys	Asp	Met	Pro	Leu	Val	Ile	Lys	Leu	Ala	Cys	Met	Asp	Ser
			180					185					190		
Gln	Asp	Leu	Asn	Thr	Leu	Met	Asn	Gly	Glu	Cys	Gly	Ile	Leu	Ala	Val
		195					200					205			
Thr	Cys	Phe	Ile	Leu	Leu	Leu	Ile	Ser	Tyr	Thr	Tyr	Ile	Leu	Ile	Thr
	210					215					220				
Val	His	Gln	Asn	Ser	Lys	Thr	Gly	Ala	Ser	Lys	Ala	Leu	Ser	Thr	Cys
225					230					235					240
Thr	Ala	His	Ile	Thr	Val	Val	Met	Ile	Phe	Phe	Leu	Pro	Cys	Phe	Phe
				245					250					255	
Ile	Tyr	Val	Phe	Pro	Leu	Asn	Ile	Thr	Trp	Leu	Asp	Lys	Phe	Leu	Ala

<212> PRT

<213> Mus musculus

<400> 1539

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Met Asp Arg Asp Asn Gln Thr Val Leu Ser Glu Phe Val Leu Leu Gly
 1      5      10      15
Leu Ser Asn Ser Lys Asn Leu Gln Val Leu Leu Phe Leu Ile Phe Leu
 20      25      30
Leu Leu Tyr Leu Leu Ile Met Ser Gly Asn Ile Ile Ile Gln Ile Leu
 35      40      45
Ile Thr Thr Asp Pro His Leu His Ser Pro Met Tyr Phe Leu Leu Ala
 50      55      60
Asn Leu Ser Phe Val Asp Met Trp Leu Ser Ser Asn Thr Thr Pro Lys
 65      70      75      80
Met Ile Ile Asp Phe Leu Ser Glu Asn Lys Thr Ile Ser Phe Ala Gly
 85      90      95
Cys Met Ser Gln Val Phe Leu Ser His Cys Ile Ala Gly Gly Glu Met
100      105      110
Val Leu Leu Val Val Met Ala Tyr Asp Arg Tyr Val Ala Ile Cys Lys
115      120      125
Pro Leu His Tyr Phe Thr Ile Met Asn Leu Lys Arg Cys Thr Gly Leu
130      135      140
Val Leu Thr Ser Trp Thr Ile Gly Phe Ile His Gly Ile Ser Tyr Phe
145      150      155      160
Leu Val Val Val Gln Leu Pro Phe Cys Gly Pro Asn Lys Ile Asp Ser
165      170      175
Phe Phe Cys Asp Met Pro Leu Val Ile Lys Leu Ala Cys Met Asp Ser
180      185      190
His Asp Leu Asn Thr Leu Met Asn Ala Glu Cys Gly Val Val Ala Val
195      200      205
Thr Cys Phe Met Leu Leu Leu Phe Ser Tyr Thr Tyr Ile Leu Ile Thr
210      215      220
Val Arg Gln Thr Ser Lys Asn Gly Ala Ser Lys Ala Leu Ser Thr Cys
225      230      235      240
Thr Ala His Ile Thr Val Val Met Ile Phe Phe Leu Pro Cys Met Phe
245      250      255
Ile Tyr Val Trp Pro Leu Ser Ile Thr Trp Leu Asp Lys Phe Leu Ala
260      265      270
Val Phe Tyr Ser Val Phe Thr Pro Leu Leu Asn Pro Ala Ile Tyr Thr
275      280      285
Leu Arg Asn Lys Glu Met Lys Asn Ala Met Lys Arg Phe Ile Gly Lys
290      295      300
Phe Leu Cys Pro Lys Gly Asn Ser
305      310
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<210> 1540

<211> 312

<212> PRT

<213> Mus musculus

<400> 1540

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Met Asp Gly Asp Asn Gln Thr Val Val Ser Glu Phe Ile Leu Trp Gly
 1      5      10      15
Leu Ala His Ser Lys Asn Ile Gln Val Leu Leu Phe Val Ile Phe Leu
 20      25      30
Met Leu Tyr Leu Leu Ile Met Ser Gly Asn Ile Val Ile Leu Thr Leu
 35      40      45
Ile Thr Thr Asp Thr His Leu His Ser Pro Met Tyr Phe Leu Leu Ala
```

50	55	60
Asn Leu Ser Phe Val Asp Met Trp Leu Ser Thr Asn Thr Thr Pro Lys		
65	70	75
Met Ile Thr Asp Phe Leu Arg Glu Ile Lys Ile Ile Ser Phe Ala Gly		80
	85	90
Cys Met Ser Gln Val Phe Phe Ser His Cys Ile Ala Ala Gly Glu Met		95
	100	105
Val Leu Leu Val Ala Met Ala Tyr Asp Arg Tyr Val Ala Ile Cys Lys		110
	115	120
Pro Leu His Tyr Phe Thr Ile Met Asn Leu Lys Arg Cys Ser Ser Leu		125
	130	135
Val Leu Thr Ser Trp Thr Ile Gly Phe Ile His Gly Ile Ile Tyr Ile		140
145	150	155
Val Val Ile Val His Leu Pro Phe Cys Gly Pro Asn Glu Ile Asp Ser		160
	165	170
Phe Phe Cys Asp Met Pro Leu Val Ile Lys Leu Ala Cys Met Asp Tyr		175
	180	185
His Tyr Leu Asn Thr Leu Met Asn Ala Asp Cys Gly Leu Val Ala Ile		190
	195	200
Thr Cys Phe Ile Leu Leu Leu Thr Ser Tyr Thr Tyr Ile Leu Met Thr		205
	210	215
Val Cys Lys Ser Ser Lys Ala Gly Ala Ser Lys Ala Met Asn Thr Cys		220
225	230	235
Thr Ala His Ile Thr Val Val Leu Ile Phe Phe Val Pro Cys Ile Phe		240
	245	250
Ile Tyr Val Trp Pro Leu Asn Ile Thr Trp Leu Asp Lys Phe Phe Ala		255
	260	265
Val Phe Tyr Ser Val Phe Thr Pro Leu Leu Asn Pro Ala Ile Tyr Thr		270
	275	280
Leu Arg Asn Lys Glu Met Lys Asn Ala Met Lys Arg Phe Ile Gly Asn		285
	290	295
Phe Leu Gly Pro Lys Val Asn Leu		300
305	310	

<210> 1541

<211> 308

<212> PRT

<213> Mus musculus

<400> 1541

Met Ser Pro Arg Cys Gln Asn Leu Cys Phe Trp Asp Phe Pro Ala His		
1	5	10
Arg Ile Phe Arg Tyr Leu Leu Phe Val Ile Phe Leu Ile Leu Tyr Leu		15
	20	25
Leu Ile Ile Ser Gly Asn Ile Val Ile Met Ile Leu Ile Thr Ile Asp		30
	35	40
Arg His Leu His Ser Pro Met Tyr Phe Leu Leu Ala Asn Leu Ser Phe		45
	50	55
Val Asp Ile Trp Leu Ser Ser Val Thr Thr Pro Lys Met Val Ile Asp		60
65	70	75
Phe Leu Arg Glu His Lys Thr Ile Ser Phe Glu Gly Cys Met Ser Gln		80
	85	90
Val Phe Phe Ala His Cys Ile Ala Ala Gly Glu Met Val Leu Leu Leu		95
	100	105
Val Met Ala Tyr Asp Arg Tyr Val Ala Ile Cys Lys Pro Leu His Tyr		110
	115	120
Phe Thr Ile Met Asn Leu Lys Arg Cys Thr Gly Leu Val Leu Thr Ser		125
	130	135
		140

Trp	Thr	Val	Gly	Phe	Val	His	Ala	Leu	Ser	Gln	Leu	Val	Ala	Val	Leu
145					150					155					160
Gln	Leu	Pro	Leu	Cys	Gly	Pro	Leu	Glu	Ile	Asp	Ser	Phe	Phe	Cys	Asp
				165					170					175	
Met	Pro	Leu	Val	Ile	Lys	Leu	Ala	Cys	Thr	Asp	Ser	His	Asp	Leu	Asp
			180					185					190		
Ile	Leu	Met	Asn	Ala	Asp	Cys	Gly	Ile	Val	Val	Val	Ser	Cys	Phe	Ile
		195					200					205			
Met	Leu	Leu	Ile	Ser	Tyr	Thr	Tyr	Ile	Leu	Ile	Thr	Val	Arg	Arg	Ser
	210					215					220				
Ser	Lys	Ala	Gly	Ala	Ser	Lys	Ala	Leu	Ser	Thr	Cys	Thr	Ala	His	Ile
225					230					235					240
Thr	Val	Val	Met	Leu	Leu	Phe	Leu	Pro	Cys	Ile	Phe	Ile	Tyr	Val	Trp
				245					250					255	
Pro	Leu	Asn	Ile	Thr	Trp	Leu	Asp	Lys	Phe	Leu	Ala	Val	Phe	Tyr	Ser
			260					265					270		
Val	Val	Thr	Pro	Leu	Leu	Asn	Pro	Ala	Ile	Tyr	Thr	Leu	Arg	Asn	Lys
		275					280					285			
Glu	Ile	Lys	Asn	Ala	Leu	Lys	Arg	Phe	Lys	Ser	Tyr	Val	Met	Asn	His
	290					295					300				
Lys	Val	Asn	Thr												
305															

<210> 1542

<211> 309

<212> PRT

<213> Mus musculus

<400> 1542

Met	Thr	Ala	Glu	Asn	Gln	Ser	Thr	Val	Thr	Glu	Phe	Ile	Leu	Gly	Gly
1				5					10					15	
Leu	Thr	Asn	Arg	Pro	Glu	Leu	Gln	Leu	Pro	Leu	Phe	Leu	Leu	Phe	Leu
			20					25					30		
Gly	Ile	Tyr	Val	Val	Thr	Met	Val	Gly	Asn	Leu	Gly	Met	Ile	Thr	Leu
		35					40					45			
Ile	Gly	Leu	Asn	Ser	Gln	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Ser
	50					55					60				
Asn	Leu	Ser	Leu	Val	Asp	Leu	Cys	Tyr	Ser	Ser	Val	Ile	Thr	Pro	Lys
65					70					75					80
Met	Leu	Ile	Asn	Phe	Val	Ser	Gln	Arg	Asn	Leu	Ile	Ser	Tyr	Val	Gly
			85						90					95	
Cys	Met	Ser	Gln	Leu	Tyr	Phe	Phe	Leu	Val	Phe	Val	Ile	Ala	Glu	Cys
			100					105					110		
Tyr	Met	Leu	Thr	Val	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Gln
	115						120					125			
Pro	Leu	Leu	Tyr	Asn	Ile	Ile	Met	Ser	Pro	Ala	Leu	Cys	Ser	Leu	Leu
	130					135						140			
Val	Ala	Phe	Val	Tyr	Ala	Val	Gly	Leu	Ile	Gly	Ser	Ala	Ile	Glu	Thr
145					150					155					160
Gly	Leu	Met	Leu	Lys	Leu	Asn	Tyr	Cys	Glu	Asp	Leu	Ile	Ser	His	Tyr
				165					170					175	
Phe	Cys	Asp	Ile	Leu	Pro	Leu	Met	Lys	Leu	Ser	Cys	Ser	Ser	Thr	Tyr
			180					185					190		
Asp	Val	Glu	Met	Ala	Val	Phe	Phe	Leu	Ala	Gly	Phe	Asp	Ile	Ile	Val
		195					200					205			
Thr	Ser	Leu	Thr	Val	Leu	Ile	Ser	Tyr	Ala	Phe	Ile	Leu	Ser	Ser	Ile
	210					215					220				
Leu	Arg	Ile	Ser	Ser	Asn	Glu	Gly	Arg	Ser	Lys	Ala	Phe	Ser	Thr	Cys

<210> 1544
 <211> 310
 <212> PRT
 <213> Mus musculus

<400> 1544
 Met Thr Ala Lys Asn Ser Ser Val Thr Glu Phe Ile Leu Ala Gly Leu
 1 5 10 15
 Thr Asp Gln Pro Gly Leu Arg Met Pro Leu Phe Phe Leu Phe Leu Gly
 20 25 30
 Phe Tyr Met Val Thr Val Val Gly Asn Leu Gly Leu Ile Ser Leu Ile
 35 40 45
 Gly Leu Asn Ser His Leu His Thr Pro Met Tyr Phe Phe Leu Phe Asn
 50 55 60
 Leu Ser Leu Ile Asp Phe Cys Tyr Ser Ser Thr Ile Ser Pro Lys Met
 65 70 75 80
 Leu Met Ser Phe Ile Ser Lys Lys Asn Ile Ile Ser His Pro Gly Cys
 85 90 95
 Met Ala Gln Leu Phe Phe Phe Cys Phe Phe Val Ile Ser Glu Ser Phe
 100 105 110
 Ile Leu Ser Ala Met Ala Tyr Asp Arg Tyr Val Ala Ile Cys Asn Pro
 115 120 125
 Leu Met Tyr Met Val Thr Met Ser Pro Gln Val Cys Leu Leu Leu Leu
 130 135 140
 Phe Gly Val Tyr Leu Met Gly Phe Val Gly Ala Met Ala His Thr Ile
 145 150 155 160
 Ser Met Ala Arg Leu Thr Phe Cys Ala Asp Asn Ile Val Asn His Tyr
 165 170 175
 Met Cys Asp Ile Leu Pro Leu Leu Glu His Ser Cys Thr Ser Thr Tyr
 180 185 190
 Val Asn Glu Leu Val Val Phe Ile Phe Val Ser Phe Asp Ile Gly Val
 195 200 205
 Pro Ile Val Thr Ile Phe Ile Ser Tyr Ala Leu Ile Leu Ser Ser Ile
 210 215 220
 Leu His Met His Ser Thr Glu Gly Arg Ser Lys Ala Phe Ser Thr Cys
 225 230 235 240
 Ser Ser His Met Ile Val Val Cys Leu Phe Phe Gly Ser Gly Ala Phe
 245 250 255
 Met Tyr Leu Gln Pro Pro Ser Val Leu Ser Leu Asp Gln Gly Lys Val
 260 265 270
 Ser Ser Leu Phe Tyr Thr Ile Val Val Pro Met Leu Asn Pro Leu Ile
 275 280 285
 Tyr Ser Leu Arg Asn Lys Asp Val Lys Val Ala Val Arg Lys Thr Leu
 290 295 300
 Asp Arg Arg Ile Phe Ser
 305 310

<210> 1545
 <211> 310
 <212> PRT
 <213> Mus musculus

<400> 1545
 Met Thr Ala Lys Asn Ser Ser Val Ile Glu Phe Ile Leu Ala Gly Leu
 1 5 10 15
 Thr Asp Gln Pro Gly Leu Arg Met Pro Leu Phe Phe Leu Phe Leu Gly

Cys	Phe	Leu	Leu	Met	Val	Met	Gly	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys
		115					120					125			
Asn	Pro	Leu	Arg	Tyr	Ser	Val	Ile	Met	Gly	Arg	Lys	Ala	Cys	Val	His
	130					135					140				
Leu	Ala	Ser	Gly	Ser	Leu	Gly	Ile	Gly	Leu	Gly	Met	Ala	Ile	Val	Gln
145					150					155					160
Val	Thr	Ser	Val	Phe	Ser	Leu	Pro	Phe	Cys	Asp	Arg	Phe	Val	Ile	Pro
			165						170					175	
His	Phe	Phe	Cys	Asp	Val	Arg	Pro	Leu	Leu	Lys	Leu	Ala	Cys	Thr	Asp
			180					185					190		
Thr	Thr	Ile	Asn	Glu	Ile	Ile	Asn	Phe	Val	Val	Ser	Val	Phe	Val	Leu
		195					200					205			
Ile	Leu	Pro	Met	Gly	Val	Val	Phe	Ile	Ser	Tyr	Val	Val	Ile	Ile	Ser
	210					215					220				
Thr	Ile	Leu	Lys	Ile	Ala	Ser	Ala	Glu	Gly	Arg	Lys	Lys	Ala	Phe	Ala
225					230					235					240
Thr	Cys	Ala	Ser	His	Leu	Thr	Val	Val	Ile	Ile	His	Tyr	Gly	Cys	Thr
				245					250					255	
Ala	Ile	Ile	Tyr	Met	Lys	Pro	Lys	Ser	Gln	Ser	Leu	Leu	Gly	Gln	Glu
			260					265					270		
Arg	Leu	Ile	Ser	Val	Thr	Tyr	Thr	Leu	Ile	Thr	Pro	Leu	Leu	Asn	Pro
		275					280					285			
Leu	Val	Tyr	Thr	Leu	Arg	Asn	Lys	Glu	Val	Lys	Asp	Ala	Leu	Arg	Arg
	290					295					300				
Ala	Met	Trp	Gln	Lys	Pro	Leu	Ser	Ser							
305					310										

<210> 1547

<211> 313

<212> PRT

<213> Mus musculus

<400> 1547

Met	Pro	Lys	Lys	Asn	Ser	Thr	Val	Val	Ala	Glu	Phe	Leu	Phe	Glu	Gly
1				5					10					15	
Phe	Ser	Ser	Phe	Asp	Trp	Gln	His	Arg	Leu	Gly	Phe	Phe	Ile	Val	Phe
			20					25					30		
Leu	Thr	Leu	Tyr	Leu	Leu	Thr	Leu	Ser	Gly	Asn	Met	Ile	Ile	Val	Thr
		35					40					45			
Ile	Ile	Arg	Leu	Asp	Arg	His	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu
	50					55					60				
Ser	Met	Leu	Ser	Ile	Ser	Glu	Thr	Phe	Tyr	Thr	Ile	Ala	Ile	Ile	Pro
65					70					75					80
Arg	Met	Leu	Ala	Gly	Leu	Leu	Asn	Pro	Tyr	Gln	Ala	Ile	Asp	Ile	Gln
			85						90				95		
Gly	Cys	Ala	Thr	Gln	Leu	Phe	Phe	Tyr	Leu	Thr	Phe	Gly	Ile	Asn	Asn
			100					105					110		
Cys	Phe	Leu	Leu	Thr	Ala	Met	Gly	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys
		115					120					125			
Asn	Pro	Leu	Arg	Tyr	Ser	Val	Ile	Met	Gly	Lys	Lys	Ala	Cys	Ile	Leu
	130					135					140				
Leu	Ala	Ser	Gly	Ser	Leu	Gly	Ile	Gly	Leu	Ser	Met	Ala	Ile	Val	Gln
145					150					155					160
Val	Thr	Ser	Val	Phe	Gly	Leu	Pro	Phe	Cys	Asp	Gly	Phe	Val	Ile	Ala
			165						170					175	
His	Phe	Phe	Cys	Asp	Val	Arg	Pro	Leu	Leu	Lys	Leu	Ala	Cys	Thr	Asp
			180					185					190		
Thr	Thr	Ile	Asn	Glu	Ile	Ile	Asn	Phe	Ile	Val	Ser	Val	Cys	Val	Leu

Val	Leu	Pro	Met	Gly	Leu	Val	Phe	Ile	Ser	Tyr	Val	Val	Ile	Ile	Ser
210						215					220				
Thr	Ile	Leu	Lys	Ile	Ala	Ser	Ala	Glu	Gly	Arg	Lys	Lys	Ala	Phe	Ala
225					230					235					240
Thr	Cys	Ala	Ser	His	Leu	Thr	Val	Val	Ile	Ile	His	Tyr	Gly	Cys	Ala
				245					250					255	
Ser	Ile	Ile	Tyr	Leu	Lys	Pro	Lys	Ser	Gln	Thr	Ser	Leu	Gly	Gln	Asp
			260					265					270		
Arg	Leu	Ile	Ser	Val	Thr	Tyr	Thr	Val	Ile	Thr	Pro	Leu	Leu	Asn	Pro
		275					280					285			
Val	Val	Tyr	Ser	Leu	Arg	Asn	Lys	Glu	Val	Lys	Glu	Ala	Leu	Arg	Lys
290						295					300				
Ala	Ile	Gly	Arg	Arg	Pro	Leu	Ser	Ser							
305					310										

<210> 1548

<211> 315

<212> PRT

<213> Mus musculus

<400> 1548

Met	Asp	Leu	Thr	Thr	Trp	Met	Asn	Asn	Tyr	Thr	Thr	Gln	Ser	Asp	Phe
1				5					10					15	
Thr	Leu	Val	Gly	Phe	Phe	Ser	Gln	Ser	Lys	His	Ser	Ala	Leu	Leu	Ala
			20					25				30			
Val	Val	Ile	Phe	Val	Val	Phe	Leu	Met	Ala	Leu	Ser	Gly	Asn	Ala	Leu
		35					40					45			
Leu	Ile	Leu	Leu	Val	Leu	Ser	Asp	Thr	His	Leu	His	Thr	Pro	Met	Tyr
	50					55					60				
Phe	Phe	Ile	Ser	Gln	Leu	Ser	Leu	Met	Asp	Met	Met	Tyr	Ile	Ser	Val
65					70				75						80
Thr	Val	Pro	Lys	Met	Leu	Met	Asp	Gln	Val	Leu	Gly	Ser	His	Lys	Ile
				85					90					95	
Ser	Ala	Ala	Ala	Cys	Gly	Met	Gln	Met	Phe	Leu	Tyr	Val	Thr	Leu	Ala
			100					105					110		
Gly	Ser	Glu	Phe	Phe	Leu	Leu	Ala	Ala	Met	Ser	Tyr	Asp	Arg	Tyr	Val
		115					120					125			
Ala	Ile	Cys	His	Pro	Leu	Arg	Tyr	Pro	Val	Leu	Met	Asn	Tyr	Arg	Val
	130					135					140				
Cys	Leu	Leu	Leu	Met	Ser	Val	Cys	Trp	Ile	Leu	Gly	Ser	Leu	Asp	Gly
145					150					155					160
Phe	Met	Phe	Thr	Pro	Val	Thr	Met	Thr	Phe	Pro	Phe	Cys	Gly	Ser	Arg
				165					170					175	
Glu	Ile	His	His	Phe	Phe	Cys	Glu	Val	Pro	Ala	Val	Thr	Lys	Leu	Ser
			180					185					190		
Cys	Ser	Asp	Thr	Trp	Leu	Tyr	Glu	Thr	Leu	Met	Tyr	Val	Cys	Cys	Val
		195					200					205			
Leu	Met	Leu	Leu	Ile	Pro	Val	Thr	Val	Ile	Ser	Gly	Ser	Tyr	Thr	Ser
	210					215					220				
Ile	Leu	Leu	Thr	Val	Leu	Arg	Met	Asn	Ser	Ala	Glu	Gly	Arg	Lys	Lys
225					230					235					240
Ala	Leu	Ala	Thr	Cys	Ser	Ser	His	Met	Thr	Val	Val	Thr	Leu	Phe	Tyr
				245					250					255	
Gly	Ala	Ala	Ile	Tyr	Thr	Tyr	Ile	Phe	Pro	Ala	Ser	Leu	His	Thr	Pro
			260					265					270		
Glu	Lys	Asp	Met	Val	Val	Ser	Val	Phe	Tyr	Thr	Ile	Leu	Thr	Pro	Leu
	275						280					285			

Leu	Asn	Pro	Leu	Ile	Tyr	Ser	Phe	Arg	Asn	Lys	Asn	Val	Thr	Glu	Ala
	290					295					300				
Met	Lys	Lys	Leu	Leu	Val	Val	Ser	Thr	Leu	Phe					
305					310					315					

<210> 1549
 <211> 315
 <212> PRT
 <213> Mus musculus

<400> 1549

Met	Gly	Ser	Glu	His	Trp	Asn	Tyr	Ser	Thr	Ala	Gly	Phe	Val	Leu	Thr
1				5					10					15	
Ser	Leu	Phe	Asn	Asn	Ser	Gln	Thr	His	Leu	Phe	Leu	Phe	Ser	Met	Val
			20					25					30		
Met	Leu	Val	Tyr	Ile	Leu	Ala	Met	Ala	Gly	Asn	Thr	Ala	Met	Val	Leu
		35					40					45			
Leu	Ile	Trp	Met	Asp	Thr	Arg	Leu	His	Thr	Pro	Met	Tyr	Phe	Leu	Leu
	50					55					60				
Ser	Gln	Leu	Ser	Phe	Leu	Asp	Ile	Phe	Phe	Thr	Ser	Val	Thr	Val	Pro
65					70					75					80
Lys	Met	Ile	Val	Gly	Phe	Leu	Phe	Gly	Trp	Thr	Ser	Ile	Ser	Phe	Gly
				85					90					95	
Gly	Cys	Gly	Ala	Gln	Met	Phe	Phe	Phe	Met	Phe	Leu	Gly	Ala	Ala	Glu
			100					105					110		
Cys	Leu	Leu	Leu	Ala	Leu	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys
		115					120					125			
Asn	Pro	Leu	Arg	Tyr	Pro	Val	Leu	Met	Ser	Arg	Arg	Val	Cys	Leu	Leu
	130					135					140				
Met	Val	Val	Ala	Ser	Trp	Leu	Gly	Gly	Ser	Leu	Asn	Ala	Ser	Ile	Gln
145					150					155					160
Thr	Ser	Leu	Thr	Leu	Gln	Phe	Pro	Tyr	Cys	Gly	Ser	Arg	Lys	Ile	Ser
				165					170					175	
His	Phe	Phe	Cys	Glu	Val	Pro	Ser	Leu	Leu	Met	Leu	Ala	Cys	Ala	Asp
			180					185					190		
Thr	Glu	Ala	Tyr	Lys	Gln	Val	Leu	Phe	Val	Thr	Gly	Val	Val	Val	Leu
		195					200					205			
Leu	Val	Pro	Ile	Thr	Phe	Ile	Thr	Ala	Ser	Tyr	Ala	Leu	Ile	Leu	Ala
	210					215					220				
Ala	Val	Leu	Arg	Met	His	Ser	Val	Glu	Gly	Arg	Gln	Lys	Ala	Leu	Ala
225					230					235					240
Thr	Cys	Ser	Ser	His	Leu	Thr	Val	Val	Asn	Leu	Phe	Tyr	Gly	Pro	Leu
				245					250					255	
Val	Tyr	Thr	Tyr	Met	Leu	Pro	Ala	Ser	Tyr	His	Ser	Pro	Gly	Gln	Asp
			260					265					270		
Asp	Val	Val	Ser	Val	Phe	Tyr	Thr	Val	Leu	Thr	Pro	Met	Leu	Asn	Pro
		275					280					285			
Val	Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Glu	Val	Thr	Gly	Ala	Met	Lys	Lys
	290					295					300				
Ala	Met	Arg	Arg	Cys	Gly	Val	Asn	Arg	Asn	Ala					
305					310					315					

<210> 1550
 <211> 317
 <212> PRT
 <213> Mus musculus

<400> 1550

Met	Ala	Trp	Ala	Gly	Asn	Gln	Thr	Leu	Ile	Ser	His	Phe	Val	Leu	Leu
1				5					10					15	
Gly	Leu	Phe	Thr	His	Ser	Pro	Leu	His	Leu	Phe	Leu	Phe	Ser	Ile	Ile
			20					25					30		
Met	Val	Met	Phe	Leu	Val	Ala	Leu	Ser	Gly	Asn	Gly	Leu	Met	Ile	Leu
		35					40					45			
Leu	Ile	Leu	Met	Asp	Ser	Arg	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu
	50					55					60				
Ser	Trp	Leu	Ser	Leu	Met	Asp	Leu	Met	Leu	Ile	Ser	Thr	Ile	Val	Pro
65					70					75					80
Arg	Met	Ala	Ala	Asp	Phe	Leu	Leu	Gly	Arg	Gly	Ser	Ile	Ser	Phe	Ala
				85					90					95	
Gly	Cys	Gly	Leu	Gln	Ile	Leu	Phe	Phe	Leu	Thr	Leu	Leu	Gly	Asp	Glu
			100					105					110		
Cys	Phe	Leu	Leu	Ala	Phe	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Ser
		115					120					125			
Asn	Pro	Leu	Arg	Tyr	Ser	Val	Ile	Met	Ser	Arg	Arg	Val	Cys	Trp	Leu
	130					135					140				
Met	Val	Ala	Gly	Ser	Trp	Leu	Phe	Gly	Leu	Val	Asp	Gly	Leu	Ile	Gln
145					150					155					160
Ala	Val	Phe	Thr	Leu	Arg	Phe	Pro	Tyr	Cys	Gly	Ser	Gln	Glu	Ile	Asp
				165					170					175	
His	Phe	Phe	Cys	Glu	Val	Pro	Ala	Val	Leu	Lys	Leu	Ala	Cys	Ala	Asp
			180					185					190		
Thr	Ser	Leu	Tyr	Glu	Thr	Met	Ile	Tyr	Val	Cys	Cys	Val	Leu	Met	Leu
		195					200					205			
Leu	Leu	Pro	Phe	Ser	Val	Ile	Ser	Ala	Ser	Tyr	Leu	Arg	Ile	Leu	Val
	210					215					220				
Ala	Val	Leu	Arg	Met	Arg	Ser	Ala	Glu	Gly	Arg	Arg	Lys	Ala	Phe	Ala
225					230					235					240
Thr	Cys	Ser	Ser	His	Met	Ile	Val	Val	Ser	Leu	Phe	Tyr	Gly	Ala	Ala
				245					250					255	
Met	Ile	Thr	Tyr	Met	Arg	Pro	Gln	Ala	Tyr	His	Ser	Ser	Lys	Gln	Asp
		260						265					270		
Lys	Val	Val	Ser	Ala	Phe	Tyr	Thr	Met	Ile	Thr	Pro	Met	Leu	Asn	Pro
		275					280					285			
Leu	Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Glu	Val	Thr	Gly	Ala	Leu	Arg	Lys
	290					295					300				
Leu	Leu	Gly	Lys	Cys	Pro	Cys	Gly	Gly	Gly	Thr	Leu	Gly			
305					310					315					

<210> 1551

<211> 315

<212> PRT

<213> Mus musculus

<400> 1551

Met	Gly	Ile	Trp	Leu	Asn	Glu	Ser	Ser	Val	Asp	Gly	Phe	Ile	Leu	Leu
1				5					10					15	
Gly	Ile	Phe	Ser	Gln	Ser	Gln	Thr	Asp	Leu	Leu	Leu	Phe	Ser	Thr	Val
			20					25					30		
Met	Leu	Val	Phe	Thr	Val	Ala	Leu	Cys	Gly	Asn	Val	Leu	Leu	Ile	Leu
		35					40					45			
Leu	Ile	Tyr	Thr	Asp	Pro	Arg	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu
	50					55					60				
Ser	Gln	Leu	Ser	Leu	Met	Asp	Leu	Met	Leu	Val	Cys	Asn	Ile	Val	Pro
65					70					75					80

Lys	Met	Ala	Val	Asn	Phe	Leu	Ser	Gly	Arg	Lys	Ser	Ile	Ser	Phe	Ala	
				85					90					95		
Gly	Cys	Gly	Ile	Gln	Ile	Gly	Phe	Phe	Val	Ser	Leu	Val	Gly	Ser	Glu	
			100					105					110			
Gly	Leu	Leu	Leu	Gly	Leu	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Ser	
		115					120					125				
His	Pro	Leu	His	Tyr	Pro	Ile	Leu	Met	Ser	Gln	Lys	Val	Cys	Leu	Gln	
	130					135					140					
Ile	Ala	Gly	Ser	Ser	Trp	Ala	Phe	Gly	Ile	Leu	Asp	Gly	Ile	Ile	Gln	
145					150					155					160	
Met	Val	Ala	Ala	Met	Ser	Leu	Pro	Tyr	Cys	Gly	Ser	Arg	Tyr	Ile	Asp	
				165					170					175		
His	Phe	Phe	Cys	Glu	Val	Pro	Ala	Leu	Leu	Lys	Leu	Ala	Cys	Ala	Asp	
			180					185					190			
Thr	Ser	Leu	Phe	Asp	Thr	Leu	Leu	Phe	Ala	Cys	Cys	Val	Phe	Met	Leu	
		195					200					205				
Leu	Leu	Pro	Phe	Ser	Ile	Ile	Val	Thr	Ser	Tyr	Ala	Arg	Ile	Leu	Gly	
	210					215					220					
Ala	Val	Leu	Arg	Met	His	Ser	Ala	Gln	Ser	Arg	Lys	Lys	Ala	Leu	Ala	
225					230					235					240	
Thr	Cys	Ser	Ser	His	Leu	Thr	Ala	Val	Ser	Leu	Phe	Tyr	Gly	Ala	Ala	
				245					250					255		
Met	Phe	Ile	Tyr	Leu	Arg	Pro	Arg	Arg	Tyr	Arg	Ala	Pro	Ser	His	Asp	
			260				265						270			
Lys	Val	Val	Ser	Ile	Phe	Tyr	Thr	Val	Leu	Thr	Pro	Met	Leu	Asn	Pro	
		275					280				285					
Leu	Ile	Tyr	Ser	Leu	Arg	Asn	Arg	Glu	Val	Met	Gly	Ala	Leu	Arg	Lys	
	290					295					300					
Gly	Leu	Asp	Arg	Cys	Arg	Val	Gly	Ser	Gln	His						
305					310					315						

<210> 1552

<211> 316

<212> PRT

<213> Mus musculus

<400> 1552

Met	Pro	Leu	Asn	Ala	Gln	Lys	Thr	Met	Glu	Asn	Asp	Ser	Ser	Val	Ser	
1				5					10					15		
Glu	Phe	Ile	Leu	Met	Gly	Leu	Thr	Asp	Gln	Pro	Glu	Leu	Gln	Leu	Pro	
			20					25					30			
Leu	Phe	Val	Leu	Phe	Leu	Val	Asn	Tyr	Thr	Val	Thr	Val	Met	Gly	Asn	
		35					40					45				
Leu	Ser	Leu	Met	Asn	Leu	Ile	Cys	Leu	Asn	Ser	Asn	Leu	His	Thr	Pro	
	50					55					60					
Met	Tyr	Phe	Phe	Ile	Phe	Asn	Leu	Ser	Phe	Ile	Asp	Phe	Cys	Tyr	Ser	
65					70					75					80	
Met	Val	Phe	Thr	Pro	Lys	Met	Leu	Met	Gly	Phe	Val	Val	Glu	Lys	Asn	
				85					90					95		
Ile	Ile	Ser	Phe	Arg	Gly	Cys	Met	Thr	Gln	Leu	Phe	Phe	Phe	Leu	Phe	
			100					105					110			
Phe	Val	Asn	Ser	Glu	Ser	Tyr	Val	Leu	Thr	Ala	Met	Ala	Tyr	Asp	Arg	
		115					120					125				
Tyr	Val	Ala	Ile	Cys	Gln	Pro	Leu	Leu	Tyr	Lys	Ala	Val	Met	Ser	Pro	
	130					135					140					
Gly	Ile	Cys	Phe	Leu	Leu	Ile	Phe	Cys	Thr	Tyr	Leu	Met	Gly	Leu	Val	
145					150					155					160	
Ser	Ala	Leu	Phe	His	Thr	Gly	Phe	Met	Ile	Arg	Leu	Asn	Phe	Cys	Asp	

				165					170					175			
Ser	Asn	Val	Ile	Asn	His	Tyr	Met	Cys	Asp	Ile	Phe	Pro	Leu	Phe	Arg		
			180					185					190				
Leu	Ser	Cys	Ser	Ser	Thr	Tyr	Leu	Thr	Glu	Leu	Val	Ser	Ser	Ala	Val		
		195					200					205					
Val	Gly	Thr	Ala	Ile	Ile	Leu	Cys	Cys	Leu	Ile	Ile	Leu	Ile	Ser	Tyr		
	210					215					220						
Gly	Met	Ile	Leu	Tyr	Asn	Ile	Ile	His	Met	Ser	Ser	Gly	Lys	Gly	Trp		
225					230					235					240		
Ser	Lys	Ala	Leu	Gly	Thr	Cys	Gly	Ser	His	Ile	Ile	Thr	Val	Ser	Leu		
			245						250					255			
Phe	Tyr	Val	Thr	Gly	Met	Leu	Ala	Tyr	Val	Lys	Pro	Ser	Ser	Ala	Glu		
		260						265					270				
Thr	Val	Gly	Gln	Gly	Lys	Ile	Phe	Ser	Val	Phe	Tyr	Thr	Phe	Leu	Val		
	275					280						285					
Pro	Met	Leu	Asn	Pro	Leu	Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Val	Lys		
	290					295					300						
Leu	Ala	Val	Lys	Lys	Thr	Trp	Lys	Arg	Leu	Thr	Cys						
305					310					315							

<210> 1553

<211> 316

<212> PRT

<213> Mus musculus

<400> 1553

Met	Gln	Val	Met	Lys	Gln	Met	Ile	Thr	Glu	Ser	Asn	Ser	Ser	Val	Thr		
1			5						10					15			
Glu	Phe	Ile	Leu	Met	Gly	Leu	Thr	Val	Gln	Lys	Glu	Leu	Gln	Leu	Pro		
			20					25					30				
Leu	Phe	Val	Leu	Phe	Leu	Leu	Asn	Tyr	Thr	Ala	Thr	Val	Val	Gly	Asn		
		35				40						45					
Leu	Ser	Leu	Met	Asn	Leu	Ile	Cys	Leu	Asn	Ser	His	Leu	His	Thr	Pro		
	50				55					60							
Met	Tyr	Phe	Phe	Ile	Phe	Asn	Leu	Ser	Cys	Ile	Asp	Phe	Cys	Tyr	Ser		
65				70					75					80			
Phe	Val	Cys	Asn	Pro	Thr	Met	Leu	Thr	Ser	Phe	Val	Ser	Glu	Gln	Asn		
			85					90					95				
Thr	Ile	Ser	Tyr	Glu	Gly	Cys	Met	Thr	Gln	Leu	Phe	Phe	Phe	Cys	Phe		
		100						105					110				
Phe	Val	Asn	Ser	Glu	Cys	Tyr	Val	Leu	Thr	Ala	Met	Ala	Tyr	Asp	Arg		
	115						120					125					
Tyr	Val	Ala	Ile	Cys	His	Pro	Leu	Gln	Tyr	Thr	Thr	Val	Met	Ser	Pro		
	130					135					140						
Lys	Ile	Cys	Cys	Leu	Leu	Val	Phe	Gly	Ser	Tyr	Leu	Met	Gly	Phe	Ala		
145				150					155					160			
Gly	Ala	Leu	Thr	His	Thr	Gly	Phe	Met	Ile	Arg	Leu	Arg	Phe	Cys	Asn		
			165					170					175				
Ser	Asn	Ile	Ile	Asn	His	Tyr	Met	Cys	Asp	Ile	Phe	Pro	Leu	Leu	Gln		
		180						185					190				
Leu	Ser	Cys	Thr	Ser	Thr	Tyr	Val	Asn	Glu	Leu	Val	Ser	Ser	Ala	Val		
	195						200					205					
Val	Gly	Thr	Ile	Ile	Ile	Leu	Ser	Ser	Ile	Ile	Ile	Leu	Val	Ser	Tyr		
	210					215					220						
Ala	Met	Ile	Leu	Ser	Asn	Ile	Leu	His	Met	Ser	Ser	Ser	Lys	Gly	Trp		
225					230					235					240		
Ser	Lys	Ala	Leu	Gly	Thr	Cys	Gly	Ser	His	Ile	Ile	Thr	Val	Ser	Leu		
			245					250						255			

Phe	Tyr	Gly	Ser	Gly	Leu	Leu	Ala	Tyr	Ile	Lys	Pro	Thr	Ser	Ala	Glu
			260					265					270		
Thr	Val	Asp	Gln	Gly	Lys	Phe	Leu	Ser	Ile	Phe	Tyr	Thr	Leu	Val	Ile
		275					280					285			
Pro	Met	Leu	Asn	Pro	Leu	Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Val	Lys
	290					295					300				
Leu	Ala	Val	Lys	Arg	Thr	Met	Lys	Arg	Val	Thr	Ser				
305					310					315					

<210> 1554
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 <212> PRT
 <213> Mus musculus

<400> 1554

Met	Gly	Leu	Glu	Asn	Gly	Ser	Leu	Val	Thr	Glu	Phe	Ile	Leu	Leu	Gly
1				5					10					15	
Leu	Thr	Asn	Asp	Pro	Asp	Leu	Gln	Leu	Pro	Leu	Phe	Leu	Leu	Phe	Leu
			20					25					30		
Leu	Ile	Tyr	Thr	Thr	Thr	Ala	Val	Gly	Asn	Leu	Ala	Leu	Ile	Thr	Leu
		35					40					45			
Ile	Ala	Leu	Asn	Ser	His	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Leu
	50					55					60				
Asn	Leu	Ser	Cys	Ile	Asp	Leu	Cys	Tyr	Ser	Ser	Val	Ile	Thr	Pro	Lys
65					70					75					80
Met	Leu	Met	Asn	Phe	Leu	Val	Arg	Lys	Asn	Ile	Ile	Ser	Tyr	Met	Gly
				85					90					95	
Cys	Met	Thr	Gln	Leu	Tyr	Phe	Phe	Cys	Phe	Phe	Ala	Ile	Cys	Glu	Cys
			100					105					110		
Cys	Val	Leu	Thr	Ser	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Asn
		115						120				125			
Pro	Leu	Leu	Tyr	Asn	Ile	Thr	Met	Ser	Pro	Lys	Val	Cys	Ser	Tyr	Leu
	130					135						140			
Met	Leu	Gly	Ser	Tyr	Ile	Met	Gly	Phe	Ser	Gly	Ala	Met	Ile	His	Thr
145					150					155					160
Gly	Cys	Ile	Leu	Arg	Leu	Thr	Phe	Cys	Asp	Arg	Asn	Ile	Ile	Asn	His
				165					170					175	
Tyr	Phe	Cys	Asp	Leu	Phe	Pro	Leu	Leu	Gln	Leu	Ser	Cys	Thr	Ser	Thr
			180					185					190		
Tyr	Ala	Asn	Glu	Ile	Glu	Ile	Leu	Ile	Val	Gly	Gly	Lys	Asp	Ile	Ile
		195					200					205			
Val	Pro	Ser	Val	Ile	Ile	Phe	Thr	Ser	Tyr	Gly	Phe	Ile	Leu	Ser	Asn
	210					215					220				
Ile	Leu	Gln	Met	Arg	Ser	Thr	Ala	Gly	Met	Ser	Lys	Ala	Phe	Ser	Thr
225					230					235					240
Cys	Ser	Ser	His	Ile	Leu	Ala	Val	Ser	Leu	Phe	Phe	Gly	Ser	Cys	Ala
				245					250					255	
Phe	Met	Tyr	Leu	Gln	Pro	Ser	Ser	Pro	Gly	Ser	Met	Asp	Gln	Gly	Lys
			260					265					270		
Val	Ser	Ser	Val	Phe	Tyr	Thr	Ile	Val	Val	Pro	Met	Met	Asn	Pro	Leu
		275					280					285			
Ile	Tyr	Ser	Phe	Arg	Asn	Lys	Asp	Val	Lys	Ile	Ala	Leu	Arg	Lys	Ile
	290					295					300				
Phe	Gly	Gln	Arg	Arg	Phe	Ser									
305					310										

<210> 1555

<211> 310
 <212> PRT
 <213> Mus musculus

<400> 1555

Met	Gly	Val	Glu	Asn	Gly	Ser	Leu	Val	Thr	Glu	Phe	Ile	Leu	Gln	Gly	1	5	10	15
Leu	Thr	Ser	Asp	Pro	Asp	Leu	Gln	Leu	Pro	Leu	Phe	Leu	Leu	Phe	Leu	20	25	30	
Leu	Ile	Tyr	Thr	Thr	Thr	Ala	Leu	Gly	Asn	Leu	Ser	Leu	Ile	Thr	Leu	35	40	45	
Ile	Ala	Leu	Asn	Ser	His	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Leu	50	55	60	
Asn	Leu	Ser	Phe	Ile	Asp	Leu	Cys	Tyr	Ser	Ser	Val	Ile	Thr	Pro	Lys	65	70	75	80
Met	Leu	Met	Asn	Phe	Leu	Val	Arg	Lys	Asn	Phe	Ile	Ser	Tyr	Val	Gly	85	90	95	
Cys	Met	Thr	Gln	Leu	Tyr	Leu	Phe	Val	Phe	Phe	Ala	Val	Ser	Glu	Cys	100	105	110	
Cys	Val	Leu	Ser	Ser	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Asn	115	120	125	
Pro	Leu	Leu	Tyr	Asn	Ile	Ala	Met	Ser	Pro	Lys	Val	Cys	Ser	Tyr	Leu	130	135	140	
Met	Leu	Gly	Ser	Tyr	Ile	Met	Gly	Phe	Ser	Gly	Ala	Met	Ile	His	Thr	145	150	155	160
Gly	Trp	Met	Leu	Arg	Leu	Thr	Phe	Cys	Asp	Arg	Ser	Ile	Ile	Asn	His	165	170	175	
Tyr	Phe	Cys	Asp	Leu	Leu	Pro	Leu	Leu	Gln	Leu	Ser	Cys	Thr	Asn	Thr	180	185	190	
Tyr	Ala	Asn	Glu	Ile	Glu	Ile	Ile	Ile	Val	Gly	Gly	Ile	Asp	Ile	Ile	195	200	205	
Val	Pro	Ser	Ile	Ile	Ile	Phe	Thr	Ser	Tyr	Gly	Phe	Val	Leu	Ser	Asn	210	215	220	
Ile	Phe	Gln	Met	Arg	Ser	Thr	Asp	Gly	Arg	Ser	Lys	Ala	Phe	Ser	Thr	225	230	235	240
Cys	Ser	Ser	His	Ile	Val	Val	Val	Ser	Leu	Phe	Phe	Gly	Ser	Gly	Ala	245	250	255	
Phe	Met	Tyr	Leu	Gln	Pro	Ser	Ser	Pro	Glu	Ser	Met	Asp	Gln	Gly	Lys	260	265	270	
Arg	Ser	Ser	Val	Phe	Tyr	Thr	Ile	Leu	Val	Pro	Met	Met	Asn	Pro	Leu	275	280	285	
Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Val	Lys	Ile	Ala	Leu	Lys	Lys	Thr	290	295	300	
Phe	Ser	Thr	Gln	Ser	Val											305	310		

<210> 1556
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 <212> PRT
 <213> Mus musculus

<400> 1556

Met	Arg	Val	Met	Lys	Gln	Met	Val	Ser	Glu	Ser	Asn	Tyr	Ser	Val	Thr	1	5	10	15
Glu	Phe	Ile	Phe	Met	Gly	Leu	Thr	Val	Gln	Arg	Glu	Phe	Gln	Leu	Pro	20	25	30	
Leu	Phe	Val	Leu	Phe	Leu	Leu	Asn	Tyr	Thr	Ala	Thr	Val	Val	Gly	Asn	35	40	45	

Leu	Ser	Leu	Met	Asn	Leu	Ile	Cys	Leu	Asn	Ser	His	Leu	His	Thr	Pro
50						55					60				
Met	Tyr	Phe	Phe	Ile	Phe	Asn	Leu	Ser	Cys	Ile	Asp	Phe	Cys	Tyr	Ser
65					70					75					80
Leu	Val	Cys	Asn	Pro	Thr	Met	Leu	Thr	Ser	Phe	Val	Ser	Glu	His	Asn
			85						90					95	
Thr	Ile	Ser	Tyr	Ala	Gly	Cys	Met	Ser	Gln	Leu	Phe	Leu	Phe	Cys	Phe
			100					105					110		
Phe	Ala	Asn	Ser	Glu	Cys	Tyr	Val	Leu	Thr	Ala	Met	Ala	Tyr	Asp	Arg
		115						120				125			
Tyr	Val	Ala	Ile	Cys	His	Pro	Leu	Lys	Tyr	Thr	Thr	Val	Met	Ser	Pro
		130				135					140				
Lys	Ile	Cys	Ser	Leu	Leu	Val	Phe	Gly	Ser	Tyr	Leu	Met	Gly	Phe	Ala
145					150					155					160
Gly	Ala	Met	Thr	His	Thr	Gly	Phe	Met	Ile	Arg	Leu	Ser	Phe	Cys	Asn
				165					170					175	
Ser	Asn	Ile	Ile	Asn	His	Tyr	Met	Cys	Asp	Ile	Phe	Pro	Leu	Leu	Gln
			180					185					190		
Leu	Ser	Cys	Thr	Ser	Thr	Tyr	Val	Asn	Glu	Leu	Val	Ser	Ser	Ala	Val
		195					200					205			
Val	Gly	Thr	Ile	Ile	Ile	Leu	Ser	Ser	Leu	Ile	Ile	Leu	Val	Ser	Tyr
		210				215					220				
Ala	Met	Ile	Leu	Ser	Asn	Ile	Leu	His	Met	Ser	Ser	Ser	Lys	Gly	Trp
225					230					235					240
Ser	Lys	Ala	Leu	Gly	Thr	Cys	Gly	Ser	His	Ile	Ile	Thr	Val	Ser	Leu
				245					250					255	
Phe	Tyr	Gly	Ser	Gly	Leu	Leu	Ala	Tyr	Val	Lys	Pro	Ser	Ser	Ala	Glu
			260					265					270		
Thr	Val	Gly	Gln	Gly	Lys	Ile	Phe	Ser	Val	Phe	Tyr	Thr	Leu	Val	Val
		275					280					285			
Pro	Met	Leu	Asn	Pro	Leu	Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Val	Lys
		290				295					300				
Phe	Ala	Val	Lys	Arg	Thr	Met	Lys	Arg	Val	Thr	Ser				
305					310					315					

<210> 1557
 <211> 313
 <212> PRT
 <213> Mus musculus

<400> 1557

Met	Lys	Gln	Met	Ala	Thr	Lys	Asn	Asp	Ser	Ser	Val	Ser	Glu	Phe	Ile
1				5					10					15	
Leu	Met	Gly	Leu	Thr	Asp	Gln	Pro	Glu	Leu	Gln	Leu	Pro	Leu	Phe	Phe
			20					25					30		
Leu	Phe	Leu	Leu	Asn	His	Thr	Val	Ile	Val	Val	Gly	Asn	Leu	Ser	Leu
		35					40					45			
Met	Ser	Leu	Ile	Ile	Leu	Asn	Ser	Asn	Leu	His	Thr	Pro	Met	Tyr	Phe
		50				55					60				
Phe	Leu	Phe	Asn	Leu	Ser	Phe	Ile	Asp	Phe	Cys	Tyr	Ser	Phe	Val	Phe
65					70					75					80
Thr	Pro	Lys	Met	Leu	Met	Ser	Phe	Val	Ser	Glu	Lys	Asn	Ile	Ile	Pro
			85						90					95	
Phe	Thr	Gly	Cys	Met	Thr	Gln	Leu	Phe	Phe	Phe	Cys	Phe	Phe	Ala	His
			100					105					110		
Ser	Glu	Ser	Trp	Val	Leu	Thr	Val	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala
		115					120					125			
Ile	Cys	Lys	Pro	Leu	Leu	Tyr	Lys	Ala	Ile	Met	Leu	Pro	Arg	Ile	Cys

130		135		140											
Cys	Leu	Leu	Met	Phe	Val	Ser	Tyr	Leu	Ile	Gly	Phe	Ala	Ser	Ala	Met
145		150		155		160									
Val	Leu	Ala	Gly	Leu	Met	Ile	Arg	Leu	Asn	Phe	Cys	Asn	Asn	Asn	Ile
		165		170		175									
Ile	Asn	His	Tyr	Met	Cys	Asp	Ile	Phe	Pro	Val	Leu	Arg	Ile	Ser	Cys
		180		185		190									
Ser	Asn	Thr	Tyr	Leu	Asn	Glu	Leu	Val	Ser	Thr	Ala	Val	Val	Gly	Thr
		195		200		205									
Ala	Ile	Ile	Leu	Cys	Ser	Leu	Ile	Ile	Phe	Ile	Ser	Tyr	Ala	Met	Ile
		210		215		220									
Leu	Phe	Asn	Ile	Ile	His	Met	Ser	Ser	Gly	Lys	Gly	Trp	Ser	Lys	Ala
225		230		235		240									
Leu	Gly	Thr	Cys	Gly	Ser	His	Ile	Ile	Thr	Val	Ser	Phe	Phe	Tyr	Gly
		245		250		255									
Ser	Gly	Leu	Leu	Ala	Tyr	Val	Lys	Pro	Ser	Ser	Ala	Glu	Thr	Val	Gly
		260		265		270									
Gln	Gly	Lys	Phe	Phe	Ser	Val	Phe	Tyr	Thr	Phe	Leu	Val	Pro	Met	Leu
		275		280		285									
Asn	Pro	Leu	Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Val	Lys	Val	Ala	Val
290		295		300											
Lys	Lys	Thr	Ile	Lys	Arg	Ile	Thr	Ser							
305		310													

<210> 1558
 <211> 317
 <212> PRT
 <213> Mus musculus

<400> 1558
Met Ile Ser Met Leu Ala Gly Asn Gly Ser Ser Val Thr Glu Phe Val
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Leu Ala Gly Leu Thr Asp Arg Pro Glu Leu Gln Leu Pro Leu Phe Tyr
20 25 30
Leu Phe Leu Ile Ile Tyr Ile Ile Thr Val Val Gly Asn Leu Gly Leu
35 40 45
Ile Ile Leu Ile Gly Leu Asn Pro His Leu His Thr Pro Met Tyr Tyr
50 55 60
Phe Leu Phe Asn Leu Ser Phe Ile Asp Leu Cys Tyr Ser Ser Val Phe
65 70 75 80
Ser Pro Lys Met Leu Ile Asn Phe Val Ser Glu Lys Asn Ser Ile Ser
85 90 95
Tyr Ala Gly Cys Met Thr Gln Leu Phe Leu Phe Leu Phe Phe Val Ile
100 105 110
Ser Glu Cys Tyr Met Leu Thr Ser Met Ala Tyr Asp Arg Tyr Val Ala
115 120 125
Ile Cys Asn Pro Leu Leu Tyr Lys Val Thr Met Ser Pro Gln Ile Cys
130 135 140
Ser Val Ile Ser Phe Ala Ala Tyr Gly Met Gly Phe Ala Gly Ser Ser
145 150 155 160
Ala His Thr Gly Cys Met Leu Arg Leu Thr Phe Cys Asn Val Asn Val
165 170 175
Ile Asn His Tyr Leu Cys Asp Ile Leu Pro Leu Leu Gln Leu Ser Cys
180 185 190
Thr Ser Thr Tyr Val Asn Glu Val Val Val Leu Ile Val Val Gly Ile
195 200 205
Asn Ile Thr Val Pro Ser Phe Thr Ile Leu Ile Ser Tyr Val Phe Ile
210 215 220

Leu	Ala	Asn	Ile	Leu	Asn	Ile	Lys	Ser	Thr	Gln	Gly	Arg	Ala	Lys	Ala
225					230					235					240
Phe	Ser	Thr	Cys	Ser	Ser	His	Ile	Met	Ala	Ile	Ser	Leu	Phe	Phe	Gly
				245					250						255
Ser	Ala	Ala	Phe	Met	Tyr	Leu	Lys	Tyr	Ser	Ser	Gly	Ser	Met	Glu	Gln
				260					265						270
Gly	Lys	Ile	Ser	Ser	Val	Phe	Tyr	Thr	Asn	Val	Gly	Pro	Met	Leu	Asn
		275					280					285			
Pro	Leu	Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Val	Lys	Val	Ala	Leu	Arg
	290					295					300				
Lys	Ser	Leu	Ile	Lys	Phe	Arg	Glu	Lys	Thr	Asp	Phe	Asn			
305					310					315					

<210> 1559

<211> 313

<212> PRT

<213> Mus musculus

<400> 1559

Met	Met	Gln	Met	Thr	Met	Glu	Asn	Lys	Ser	Ser	Val	Ser	Glu	Phe	Ile
1				5					10					15	
Leu	Met	Gly	Leu	Thr	Asp	Gln	Pro	Glu	Leu	Gln	Leu	Pro	Leu	Phe	Val
			20					25					30		
Leu	Phe	Leu	Met	Asn	Tyr	Thr	Ala	Thr	Val	Met	Gly	Asn	Leu	Ser	Leu
		35					40					45			
Met	Asn	Leu	Ile	Cys	Leu	Asn	Ser	Asn	Leu	His	Thr	Pro	Met	Tyr	Phe
	50					55					60				
Phe	Ile	Phe	Asn	Leu	Ser	Phe	Ile	Asp	Phe	Cys	Tyr	Ser	Met	Val	Phe
65					70					75					80
Thr	Pro	Lys	Met	Leu	Met	Ser	Phe	Val	Val	Glu	Lys	Asn	Thr	Ile	Ser
				85					90					95	
Phe	Arg	Gly	Cys	Met	Thr	Gln	Leu	Phe	Phe	Phe	Cys	Val	Phe	Ile	Asn
			100					105					110		
Ala	Glu	Ser	Tyr	Val	Leu	Thr	Ala	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala
			115				120					125			
Ile	Gly	Gln	Pro	Leu	Met	Tyr	Gln	Val	Val	Met	Ser	Pro	Lys	Ile	Cys
	130					135					140				
Cys	Leu	Leu	Ile	Phe	Gly	Ser	Tyr	Leu	Met	Gly	Phe	Ile	Ser	Ala	Thr
145					150					155					160
Ala	His	Thr	Gly	Cys	Met	Val	Arg	Leu	Arg	Phe	Cys	Asp	Ser	Asn	Ile
				165					170						175
Ile	Asn	His	Tyr	Met	Cys	Asp	Ile	Phe	Pro	Leu	Leu	Gln	Leu	Ser	Cys
			180					185					190		
Ser	Ser	Thr	Tyr	Val	Asn	Glu	Leu	Met	Ser	Tyr	Ile	Ala	Val	Gly	Thr
		195					200						205		
Ala	Ile	Ile	Leu	Cys	Ser	Leu	Ile	Ile	Leu	Val	Ser	Tyr	Ala	Met	Ile
	210					215					220				
Leu	Phe	Asn	Ile	Ile	His	Ile	Ser	Ser	Gly	Lys	Gly	Trp	Ser	Lys	Ala
225					230					235					240
Leu	Gly	Thr	Cys	Gly	Ser	His	Ile	Ile	Thr	Val	Ser	Leu	Phe	Tyr	Gly
				245					250						255
Ser	Gly	Leu	Leu	Ala	Tyr	Val	Asn	Pro	Ser	Ser	Ala	Glu	Thr	Val	Gly
			260					265					270		
Gln	Ala	Lys	Phe	Phe	Ser	Val	Phe	Tyr	Thr	Leu	Leu	Val	Pro	Met	Leu
		275					280					285			
Asn	Pro	Leu	Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Val	Lys	Leu	Ala	Met
	290					295					300				
Lys	Lys	Ser	Trp	Lys	Arg	Ile	Thr	Ser							

305

310

<210> 1560

<211> 314

<212> PRT

<213> Mus musculus

<400> 1560

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Met Arg Arg Leu Asn Thr Thr Pro His His Thr Asn Gly Phe Ile Leu
 1          5          10          15
Val Gly Phe Ser Glu Trp Pro Arg Leu Glu Met Ala Leu Leu Val Val
          20          25          30
Ile Ser Ile Phe Tyr Ile Leu Thr Leu Leu Gly Asn Ser Ala Ile Ile
          35          40          45
Ile Leu Ser Arg Leu Asp Pro Lys Leu His Thr Pro Met Tyr Phe Phe
          50          55          60
Leu Ala Asn Leu Ser Phe Leu Asp Leu Cys Tyr Thr Thr Ser Thr Val
          65          70          75          80
Pro Gln Met Leu Lys Asn Ile Gln Ser His Glu Arg Ser Ile Thr Tyr
          85          90          95
Val Gly Cys Ile Ala Gln Leu Phe Ile Phe Leu Ser Leu Gly Ser Thr
          100          105          110
Glu Cys Val Leu Leu Ser Val Met Ala Phe Asp Arg Tyr Val Ala Ile
          115          120          125
Cys Gln Pro Leu Arg Tyr Thr Val Ile Met His Pro Gln Leu Cys Gln
          130          135          140
Gln Leu Ala Ala Val Ala Trp Ile Thr Gly Phe Ser Asn Ser Leu Val
          145          150          155          160
Gln Thr Val Leu Thr Ser Leu Leu Pro Arg Cys Gly Gln Tyr Gln Ile
          165          170          175
Glu Asn Phe Phe Cys Glu Val Pro Ala Met Leu Gln Leu Ser Cys Val
          180          185          190
Asp Thr Trp Val Asn Glu Val Glu Met Tyr Ala Ala Val Val Val Ile
          195          200          205
Lys Val Ile Pro Leu Gly Leu Ile Leu Phe Ser Tyr Ile Asn Ile Val
          210          215          220
Arg Ala Val Ile Lys Ile Gln Ser Ser Glu Gly Arg Lys Lys Ala Phe
          225          230          235          240
Asn Thr Cys Gly Ser His Leu Leu Val Val Ile Met Phe Tyr Gly Ser
          245          250          255
Ala Ile Ser Gly Tyr Ala Tyr Met Ala Pro Lys Ser Ser Ser Ala Lys
          260          265          270
Leu Lys Gly Lys Leu Leu Ala Leu Phe Tyr Gly Leu Ile Thr Pro Met
          275          280          285
Leu Asn Pro Leu Ile Tyr Thr Leu Arg Asn Lys Asp Val Lys Ala Ala
          290          295          300
Val Lys Lys Val Leu Gly Arg Glu Gln Glu
          305          310

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<210> 1561

<211> 313

<212> PRT

<213> Mus musculus

<400> 1561

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Met Gly Gln Gln Asn Thr Thr Ser Leu Pro Gly Phe Ile Leu Met Gly
 1          5          10          15

```

Ile Thr Gln Ser Thr Glu Leu Gln Leu Pro Leu Phe Gly Val Phe Phe
 20 25 30
 Ile Ile Tyr Ala Val Thr Val Met Gly Asn Leu Gly Met Ile Ile Leu
 35 40 45
 Thr Lys Leu Asp Ser Arg Leu Gln Thr Pro Met Tyr Phe Phe Ile Arg
 50 55 60
 His Leu Ala Phe Ile Asp Leu Gly Asn Ser Thr Val Ile Cys Pro Lys
 65 70 75 80
 Met Leu Met Asp Phe Val Met Asp Glu Lys Asn Ile Ser Phe Tyr Ala
 85 90 95
 Cys Ala Thr Gln Met Ser Phe Phe Val Leu Phe Ile Ile Ser Glu Leu
 100 105 110
 Phe Ile Leu Ser Ser Met Ala Tyr Asp Cys Tyr Val Ala Ile Cys Asn
 115 120 125
 Pro Leu Leu Tyr Ser Val Ile Met Ser Gln Arg Leu Cys His Val Leu
 130 135 140
 Val Asp Ile Pro Tyr Leu Tyr Ser Thr Phe Gln Ala Leu Leu Phe Thr
 145 150 155 160
 Ser Lys Ile Phe Thr Leu Thr Phe Cys Gly Ser Asn Ile Ile Ser His
 165 170 175
 Phe Tyr Cys Asp Ala Val Tyr Leu Leu Pro Thr Leu Cys Ser Asn Ala
 180 185 190
 Glu Glu Ile Gln Leu Leu Ile Ile Leu Phe Ser Ala Leu Asn Leu Leu
 195 200 205
 Ser Ser Leu Leu Ile Val Leu Gly Leu Tyr Val Leu Ile Leu Ile Ala
 210 215 220
 Ile Cys Arg Met His Ser Ala Glu Gly Arg Arg Lys Ala Phe Ser Thr
 225 230 235 240
 Cys Gly Ser His Leu Thr Val Val Val Val Phe Tyr Gly Thr Leu Leu
 245 250 255
 Phe Met Tyr Leu Gln Pro Lys Ser Thr Asp Ser Leu Glu Asn Asp Lys
 260 265 270
 Ile Thr Ser Val Phe Tyr Thr Leu Val Ile Pro Met Ile Asn Pro Leu
 275 280 285
 Ile Tyr Ser Leu Arg Asn Lys Glu Val Lys Asn Ala Phe Asn Arg Ala
 290 295 300
 Leu Lys Asn Pro Phe Lys Ile Asn Thr
 305 310

<210> 1562
 <211> 309
 <212> PRT
 <213> Mus musculus

<400> 1562
 Met Lys His Ser Asn Asp Ser Lys Val Thr Glu Phe Ile Leu Leu Gly
 1 5 10 15
 Phe Ala Gly Gln Asn Glu Ser Trp His Ile Leu Phe Val Val Phe Leu
 20 25 30
 Val Ile Tyr Ile Ala Thr Leu Val Gly Asn Ile Gly Met Ile Leu Leu
 35 40 45
 Ile Lys Leu His Ser Ser Leu His Thr Pro Met Tyr Phe Phe Leu Gln
 50 55 60
 His Leu Ala Phe Val Asp Leu Cys Tyr Ser Ser Ala Ile Thr Pro Arg
 65 70 75 80
 Thr Leu Gln Asn Phe Val Ser Thr Lys Pro Ser Ile Ser Phe Thr Gly
 85 90 95
 Cys Leu Ala Gln Leu Leu Val Tyr Gly Ile Phe Val Thr Ser Asp Cys

Glu	Gln	Thr	Val	Leu	Ile	Cys	Ala	Val	Leu	Thr	Leu	Ile	Ile	Thr	Leu
		195					200					205			
Val	Cys	Val	Val	Leu	Ser	Tyr	Val	Asn	Ile	Ile	Lys	Thr	Val	Leu	Arg
	210					215					220				
Phe	Pro	Ser	Ala	Gln	Gln	Lys	Lys	Lys	Ala	Phe	Ser	Thr	Cys	Ser	Ser
225					230					235					240
His	Met	Ile	Val	Val	Ser	Ile	Thr	Tyr	Gly	Ser	Cys	Ile	Phe	Ile	Tyr
				245					250					255	
Ile	Lys	Pro	Ser	Ala	Lys	Asp	Glu	Val	Ala	Ile	Asn	Lys	Gly	Val	Thr
			260					265					270		
Val	Leu	Thr	Thr	Ser	Ile	Ala	Pro	Met	Leu	Asn	Pro	Phe	Ile	Tyr	Thr
		275					280					285			
Leu	Arg	Asn	Arg	Gln	Val	Lys	Gln	Ala	Phe	Trp	Asp	Ser	Ile	Lys	Arg
	290					295					300				
Ile	Ile	Ala	Phe	Ser	Lys	Gln									
305					310										

<210> 1564

<211> 312

<212> PRT

<213> Mus musculus

<400> 1564

Met	Lys	Asn	Tyr	Thr	Ala	Ile	Thr	Thr	Phe	Ile	Leu	Val	Gly	Leu	Thr
1				5					10					15	
Asn	Asp	Ala	Asn	Leu	Gln	Ile	Leu	Leu	Phe	Ile	Phe	Leu	Leu	Leu	Thr
			20					25					30		
Tyr	Leu	Leu	Ser	Val	Ile	Gly	Asn	Leu	Thr	Ile	Ile	Thr	Leu	Thr	Leu
	35					40						45			
Val	Asp	Ser	His	Leu	Lys	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Arg	Asn	Phe
	50					55					60				
Ser	Leu	Leu	Glu	Val	Ser	Phe	Thr	Thr	Val	Cys	Ile	Pro	Arg	Phe	Leu
65					70					75					80
Tyr	Thr	Met	Ala	Ser	Gly	Asp	Asn	Thr	Ile	Thr	Tyr	Asn	Ala	Cys	Ala
				85					90					95	
Thr	Gln	Leu	Phe	Phe	Val	Ile	Val	Leu	Gly	Val	Thr	Glu	Phe	Phe	Leu
		100						105					110		
Leu	Thr	Ala	Met	Ser	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Lys	Pro	Leu
		115					120					125			
His	Tyr	Thr	Thr	Ile	Met	Ser	Asn	Arg	Val	Cys	Ile	Gln	Phe	Leu	Ile
	130					135					140				
Gly	Cys	Tyr	Leu	Met	Ala	Leu	Ile	Ile	Val	Ile	Pro	Pro	Tyr	Ser	Ile
145					150					155					160
Ser	Phe	Lys	Leu	Glu	Phe	Cys	Asn	Ser	Asn	Val	Ile	Asp	His	Phe	Gly
				165					170					175	
Cys	Asp	Ala	Ala	Pro	Ile	Leu	Lys	Ile	Ser	Cys	Ser	Asn	Thr	Glu	Phe
			180					185					190		
Ile	Glu	Arg	Phe	Val	Leu	Ile	Leu	Ala	Val	Leu	Thr	Leu	Met	Phe	Thr
		195					200					205			
Leu	Leu	Cys	Val	Val	Met	Ser	Tyr	Thr	Tyr	Ile	Ile	Arg	Thr	Ile	Leu
	210					215						220			
Arg	Phe	Pro	Ser	Ala	Gln	Gln	Arg	Lys	Lys	Ala	Phe	Ser	Thr	Cys	Ser
225					230					235					240
Ser	His	Ile	Ile	Val	Val	Ser	Ile	Thr	Tyr	Gly	Ser	Cys	Ile	Phe	Ile
				245					250					255	
Tyr	Ile	Lys	Pro	Ser	Ala	Lys	Glu	Gly	Val	Ala	Val	Asn	Lys	Val	Val
			260					265					270		
Ser	Val	Leu	Thr	Thr	Ser	Val	Ala	Pro	Val	Met	Asn	Pro	Phe	Ile	Tyr

<400> 1566

```
Met Gly Asp Asp Asn Asp Thr Asp Ile Thr Glu Phe Ile Leu Leu Gly
 1          5          10          15
Phe Ser Gly Tyr Gly Phe Leu Gln Gly His Leu Phe Trp Gly Val Leu
 20          25          30
Cys Ile Tyr Val Val Thr Leu Leu Gly Asn Ser Leu Ile Val Leu Leu
 35          40          45
Thr Leu Ala Asp Ser Ala Leu His Ser Pro Met Tyr Phe Phe Leu Arg
 50          55          60
His Phe Ser Val Val Glu Ile Leu Tyr Thr Thr Thr Ile Val Pro Arg
 65          70          75          80
Met Leu Ala Asp Leu Arg Ser Ser Cys Pro Thr Ile Pro Leu Ala Ser
 85          90          95
Cys Phe Thr Gln Leu Tyr Phe Phe Ala Leu Phe Gly Ile Ala Glu Cys
100          105          110
Cys Leu Leu Thr Ala Met Ala Tyr Asp Arg Tyr Ala Ala Ile Cys Cys
115          120          125
Pro Leu His Tyr Thr Thr Leu Met Ser Gln Gly Thr Tyr Thr Gly Leu
130          135          140
Val Gly Ala Ser Tyr Leu Ala Gly Val Ile Ser Gly Thr Thr His Ser
145          150          155          160
Ile Phe Ile Phe Thr Leu Pro Phe Arg Gly Ala Lys Thr Ile His His
165          170          175
Phe Leu Cys Asp Ile Leu Pro Val Leu Arg Leu Ala Thr Ala Ser Thr
180          185          190
Phe Trp Gly Glu Val Gly Asn Leu Phe Val Thr Ile Thr Phe Ile Phe
195          200          205
Ala Pro Phe Leu Leu Ile Val Ala Ser Tyr Ala Cys Ile Leu Ala Thr
210          215          220
Ile Leu Gly Val Ala Thr Ser Gln Gly Arg Gln Lys Leu Phe Ser Thr
225          230          235          240
Cys Ser Ser His Leu Phe Val Val Ile Leu Phe Phe Gly Thr Gly Thr
245          250          255
Val Ala Tyr Met Arg Pro Gln Ala Asp Ser Phe Gly Asp Thr Asp Gln
260          265          270
Ile Ile Thr Leu Phe Tyr Thr Val Val Thr Pro Met Cys Asn Pro Phe
275          280          285
Val Tyr Thr Leu Arg Asn Lys Glu Val Thr Gly Ala Met Arg Arg Leu
290          295          300
Val Lys Arg Tyr Phe
305
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<210> 1567

<211> 312

<212> PRT

<213> Mus musculus

<400> 1567

```
Met Gly Asp Asp Asn Asp Thr Asp Ile Thr Glu Phe Ile Leu Leu Gly
 1          5          10          15
Phe Ser Gly Tyr Gly Phe Leu Gln Gly His Leu Phe Trp Gly Val Leu
 20          25          30
Cys Ile Tyr Val Val Thr Leu Leu Gly Asn Ser Leu Ile Val Leu Leu
 35          40          45
Thr Leu Ala Asp Ser Ala Leu His Ser Pro Met Tyr Phe Phe Leu Arg
 50          55          60
His Phe Ser Val Val Glu Ile Leu Tyr Thr Thr Thr Ile Val Pro Arg
```

65					70					75				80	
Met	Leu	Ala	Asp	Leu	Arg	Ser	Ser	Cys	Pro	Thr	Ile	Pro	Leu	Ala	Ser
				85					90					95	
Cys	Phe	Thr	Gln	Leu	Tyr	Phe	Phe	Ala	Leu	Phe	Gly	Ile	Ala	Glu	Cys
			100					105					110		
Cys	Leu	Leu	Thr	Ala	Met	Ala	Tyr	Asp	Arg	Tyr	Ala	Ala	Ile	Cys	Cys
		115					120					125			
Pro	Leu	His	Tyr	Thr	Thr	Leu	Met	Ser	Gln	Gly	Thr	Tyr	Thr	Gly	Leu
	130					135					140				
Val	Gly	Ala	Ser	Tyr	Leu	Ala	Gly	Val	Ile	Ser	Gly	Thr	Thr	His	Ser
145					150					155					160
Ile	Phe	Ile	Phe	Thr	Leu	Pro	Phe	Arg	Gly	Ala	Lys	Thr	Ile	His	His
				165					170					175	
Phe	Leu	Cys	Asp	Ile	Leu	Pro	Val	Leu	Arg	Leu	Ala	Thr	Ala	Ser	Thr
			180					185					190		
Phe	Trp	Gly	Glu	Val	Gly	Asn	Leu	Phe	Val	Thr	Ile	Thr	Phe	Ile	Phe
	195					200						205			
Val	Pro	Phe	Leu	Leu	Ile	Val	Ala	Ser	Tyr	Ala	Cys	Ile	Leu	Val	Thr
	210					215					220				
Ile	Leu	Gly	Val	Ala	Thr	Ser	Gln	Gly	Arg	Gln	Lys	Leu	Phe	Ser	Thr
225					230					235					240
Cys	Ser	Ser	His	Leu	Phe	Val	Val	Ile	Leu	Phe	Phe	Gly	Thr	Ala	Thr
				245					250					255	
Val	Ala	Tyr	Met	Arg	Pro	Gln	Ala	Asp	Ser	Phe	Gly	Asn	Thr	Asp	Gln
			260					265					270		
Ile	Leu	Thr	Leu	Val	Tyr	Thr	Val	Val	Thr	Pro	Met	Cys	Asn	Pro	Phe
		275				280						285			
Val	Tyr	Ser	Leu	Arg	Asn	Lys	Glu	Val	Thr	Gly	Ala	Met	Arg	Arg	Leu
	290				295						300				
Met	Lys	Arg	Tyr	Leu	Trp	Gly	Pro								
305					310										

<210> 1568
 <211> 313
 <212> PRT
 <213> Mus musculus

<400> 1568															
Met	Gly	Gly	Thr	Asn	Gln	Ser	Ser	Val	Ser	Glu	Phe	Leu	Leu	Leu	Gly
1				5				10						15	
Leu	Ser	Arg	Gln	Pro	Gln	Gln	Gln	Gln	Gln	Leu	Ile	Phe	Leu	Leu	Phe
			20					25				30			
Leu	Ile	Met	Tyr	Leu	Ala	Thr	Val	Leu	Gly	Asn	Leu	Leu	Ile	Ile	Leu
		35				40					45				
Ala	Ile	Ser	Thr	Asp	Ser	Arg	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu
	50				55					60					
Ser	Asn	Leu	Ser	Phe	Val	Asp	Val	Cys	Phe	Ser	Ser	Thr	Thr	Val	Pro
65				70				75						80	
Lys	Val	Leu	Ala	Ile	His	Ile	Leu	Arg	Asn	Gln	Ala	Ile	Ser	Phe	Ser
			85					90					95		
Gly	Cys	Leu	Thr	Gln	Leu	Tyr	Phe	Leu	Cys	Val	Phe	Ala	Asp	Met	Asp
			100				105					110			
Asn	Phe	Leu	Leu	Ala	Val	Met	Ala	Tyr	Asp	Arg	Phe	Val	Ala	Ile	Cys
		115				120						125			
His	Pro	Leu	His	Tyr	Thr	Thr	Lys	Met	Thr	His	Gln	Leu	Cys	Ala	Phe
	130				135					140					
Leu	Val	Val	Gly	Ser	Trp	Met	Val	Ala	Ser	Leu	Asn	Ala	Leu	Leu	His
145					150					155					160

Thr	Leu	Leu	Val	Ala	Gln	Leu	Tyr	Phe	Cys	Gly	Asp	Asn	Val	Ile	Pro		
				165					170					175			
His	Phe	Phe	Cys	Glu	Val	Thr	Pro	Leu	Leu	Lys	Leu	Ser	Cys	Ser	Asp		
			180					185					190				
Thr	His	Leu	Asn	Glu	Leu	Met	Ile	Leu	Ala	Val	Ala	Gly	Leu	Ile	Met		
		195					200					205					
Leu	Ala	Pro	Phe	Val	Cys	Ile	Leu	Leu	Ser	Tyr	Ile	Leu	Ile	Ala	Cys		
	210					215					220						
Ala	Ile	Leu	Lys	Ile	Ser	Ser	Thr	Gly	Arg	Trp	Lys	Ala	Phe	Ser	Thr		
225					230					235					240		
Cys	Gly	Ser	His	Leu	Ala	Val	Val	Cys	Leu	Phe	Tyr	Gly	Thr	Ile	Ile		
			245						250					255			
Ser	Leu	Tyr	Phe	Asn	Pro	Ser	Ser	Ser	His	Ser	Ala	Gly	Arg	Asp	Met		
		260						265					270				
Ala	Ala	Ala	Met	Met	Tyr	Thr	Val	Val	Thr	Pro	Met	Met	Lys	Pro	Phe		
		275					280					285					
Ile	Tyr	Ser	Leu	Arg	Asn	Arg	Asp	Met	Lys	Gly	Ala	Leu	Arg	Lys	Val		
	290				295						300						
Leu	Thr	Met	Arg	Phe	Ile	Ser	Thr	Gln									
305					310												

<210> 1569
 <211> 312
 <212> PRT
 <213> Mus musculus

<400> 1569

Met	Glu	Pro	Glu	Asn	His	Thr	Gly	Ile	Pro	Glu	Phe	Tyr	Leu	Leu	Gly		
1				5					10					15			
Leu	Ser	Glu	Asn	Pro	Glu	Ile	Gln	Ser	Val	Leu	Phe	Gly	Leu	Phe	Leu		
			20					25					30				
Ser	Leu	Tyr	Leu	Val	Thr	Val	Phe	Gly	Asn	Leu	Leu	Ile	Ile	Leu	Ala		
		35					40					45					
Ile	Val	Ser	Asp	Pro	Lys	Leu	His	Thr	Pro	Met	Tyr	Leu	Phe	Leu	Ser		
	50					55					60						
Asn	Leu	Ser	Phe	Ser	Asp	Ile	Cys	Phe	Thr	Ser	Thr	Thr	Val	Pro	Lys		
65				70						75					80		
Met	Leu	Leu	Gly	Ile	Gln	Thr	Gln	Ser	Lys	Leu	Ile	Thr	Tyr	Ala	Gly		
			85					90						95			
Cys	Ile	Thr	Gln	Met	Tyr	Phe	Phe	Thr	Val	Phe	Gly	Leu	Leu	Asp	Asn		
			100					105					110				
Leu	Leu	Leu	Thr	Val	Met	Ala	Tyr	Asp	Arg	Phe	Val	Ala	Ile	Cys	His		
		115					120					125					
Pro	Leu	His	Tyr	Thr	Val	Leu	Met	Asn	Pro	Lys	Leu	Cys	Ser	Gln	Leu		
	130					135					140						
Leu	Leu	Leu	Ala	Trp	Leu	Ile	Ser	Ile	Leu	Gly	Ala	Leu	Pro	Glu	Ser		
145					150					155					160		
Leu	Thr	Ala	Leu	Arg	Leu	Ser	Phe	Cys	Ala	Val	Val	Glu	Ile	Pro	His		
			165					170						175			
Tyr	Phe	Cys	Glu	Leu	Pro	Glu	Val	Leu	Lys	Leu	Ala	Cys	Ser	Asp	Thr		
		180						185					190				
Phe	Ile	Asn	Asn	Val	Val	Leu	Tyr	Ile	Val	Thr	Gly	Ile	Met	Gly	Phe		
	195						200					205					
Phe	Pro	Leu	Ala	Gly	Ile	Leu	Phe	Ser	Tyr	Ser	Gln	Ile	Val	Thr	Ser		
	210					215					220						
Val	Leu	Arg	Ile	Ser	Thr	Val	Gly	Gly	Lys	Tyr	Lys	Ala	Phe	Ser	Thr		
225					230					235					240		
Cys	Gly	Ser	His	Leu	Ser	Val	Val	Ser	Leu	Phe	Tyr	Gly	Thr	Cys	Leu		

				245					250					255			
Gly	Val	Tyr	Leu	Ser	Ser	Ile	Trp	Thr	Gln	Ala	Ser	Trp	Ala	Gly	Val		
			260					265					270				
Phe	Ala	Ser	Val	Leu	Tyr	Thr	Val	Val	Thr	Pro	Met	Met	Asn	Pro	Phe		
		275					280					285					
Ile	Tyr	Ser	Leu	Arg	Asn	Arg	Asp	Met	Lys	Arg	Ala	Leu	Asn	Thr	Leu		
	290					295					300						
Leu	Cys	Ser	Val	Pro	Ser	Ser	Ser										
305					310												

<210> 1570

<211> 319

<212> PRT

<213> Mus musculus

<400> 1570

Met	Val	Gln	Gly	Asn	Trp	Thr	Ser	Val	Thr	Val	Phe	Val	Phe	Leu	Gly		
1				5					10					15			
Phe	Ser	His	Tyr	Pro	Arg	Ile	Glu	Val	Thr	Val	Phe	Val	Leu	Cys	Leu		
		20					25					30					
Leu	Met	Tyr	Leu	Ile	Thr	Leu	Leu	Gly	Asn	Thr	Ile	Leu	Ile	Ser	Ile		
	35					40					45						
Thr	Ile	Leu	Asp	Ser	His	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Ser		
	50					55					60						
Asn	Leu	Ser	Phe	Leu	Asp	Ile	Trp	Tyr	Thr	Ser	Ser	Ala	Leu	Thr	Pro		
65				70					75					80			
Met	Leu	Ala	Asn	Phe	Val	Ser	Gly	Lys	Asn	Thr	Ile	Ser	Phe	Ser	Gly		
		85					90						95				
Cys	Ala	Ser	Gln	Met	Tyr	Phe	Ser	Leu	Ala	Met	Gly	Ser	Thr	Glu	Cys		
	100						105					110					
Val	Leu	Leu	Ser	Met	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Asn		
	115					120					125						
Pro	Leu	Arg	Tyr	Pro	Ile	Ile	Met	Asn	Arg	Arg	Val	Phe	Val	Gln	Ile		
	130				135						140						
Ala	Gly	Ser	Ser	Trp	Val	Thr	Gly	Cys	Leu	Thr	Ala	Leu	Val	Glu	Thr		
145				150					155					160			
Gly	Pro	Val	Ile	His	Leu	Ser	Leu	Cys	Gly	Asn	Ser	Ile	Ile	Asn	His		
		165					170						175				
Phe	Thr	Cys	Glu	Ile	Leu	Ala	Leu	Leu	Lys	Met	Ala	Cys	Gly	Asp	Thr		
	180						185					190					
Ser	Met	Val	Gln	Leu	Ile	Met	Leu	Val	Ile	Ser	Ile	Leu	Leu	Leu	Pro		
	195					200					205						
Leu	Pro	Met	Leu	Leu	Ile	Cys	Val	Ser	Tyr	Ala	Ser	Ile	Leu	Ser	Asn		
	210				215					220							
Ile	Leu	Arg	Ile	Ser	Ser	Met	Asp	Gly	Arg	Ser	Lys	Ala	Phe	Ser	Thr		
225				230					235					240			
Cys	Ala	Ala	His	Leu	Thr	Val	Val	Val	Leu	Phe	Tyr	Gly	Thr	Ala	Leu		
		245						250					255				
Ser	Met	Tyr	Leu	Lys	Pro	Ser	Ser	Val	Asn	Ser	Gln	Glu	Ile	Asp	Lys		
	260						265					270					
Phe	Met	Ala	Leu	Ile	Tyr	Ala	Gly	Leu	Thr	Pro	Met	Leu	Asn	Pro	Ile		
	275						280				285						
Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Glu	Val	Lys	Met	Ala	Val	Lys	Lys	Leu		
	290				295					300							
Leu	Met	Arg	Asn	Pro	Phe	Ser	Ala	Ile	Leu	Thr	Ser	Val	Leu	Lys			
305				310					315								

<210> 1571
 <211> 316
 <212> PRT
 <213> Mus musculus

<400> 1571
 Met Glu Trp Glu Asn Arg Thr Tyr Leu Glu Glu Phe Phe Leu Lys Gly
 1 5 10 15
 Leu Ser Gly Tyr Pro Gly Leu Glu His Leu Phe Phe Val Val Ile Leu
 20 25 30
 Met Met Tyr Ala Val Ile Leu Val Gly Asn Gly Thr Leu Ile Ile Leu
 35 40 45
 Ser Ile Phe Asp Ser His Leu His Thr Pro Met Tyr Phe Phe Leu Gly
 50 55 60
 Asn Leu Ser Phe Leu Asp Ile Cys Phe Thr Thr Ser Ser Ile Pro Phe
 65 70 75 80
 Thr Leu Val Ser Phe Leu Ser Glu Arg Lys Thr Ile Ser Phe Leu Gly
 85 90 95
 Cys Ala Val Gln Met Phe Leu Gly Leu Ala Met Gly Thr Thr Glu Cys
 100 105 110
 Val Leu Leu Gly Met Met Ala Phe Asp Arg Tyr Val Ala Ile Cys Asn
 115 120 125
 Pro Leu Arg Tyr Pro Leu Ile Met Ser Lys Ser Ser Tyr Val Thr Met
 130 135 140
 Ala Thr Gly Ser Trp Phe Ser Gly Val Ala Asn Ser Ala Val Gln Thr
 145 150 155 160
 Ala Phe Val Met Arg Leu Pro Phe Cys Gly Asn Val Ile Asn His Phe
 165 170 175
 Leu Cys Glu Ile Leu Ala Val Met Lys Met Ala Cys Thr Asp Ile Ser
 180 185 190
 Gly Asn Glu Phe Ile Met Leu Val Ala Thr Thr Leu Phe Thr Leu Met
 195 200 205
 Pro Leu Val Leu Ile Val Ile Ser Tyr Ser Leu Ile Ile Ser Ser Ile
 210 215 220
 Leu Ser Ile Arg Ser Ala Glu Gly Arg Ser Lys Ala Phe Ser Thr Cys
 225 230 235 240
 Ser Ala His Phe Thr Val Val Ile Ile Phe Tyr Gly Thr Ile Leu Phe
 245 250 255
 Met Tyr Met Lys Pro Lys Ser Lys Asp Lys Phe Asp Ala Asp Asp Leu
 260 265 270
 Asp Ala Thr Asp Lys Leu Ile Ser Met Phe Tyr Gly Val Met Thr Pro
 275 280 285
 Leu Met Asn Pro Leu Ile Tyr Ser Leu Arg Asn Lys Asp Val Lys Glu
 290 295 300
 Ala Ile Lys Asn Leu Lys Gly Arg Leu Leu Gly Lys
 305 310 315

<210> 1572
 <211> 305
 <212> PRT
 <213> Mus musculus

<400> 1572
 Met Glu Asn His Thr Leu Leu Asp Glu Phe Ile Leu Leu Gly Ile Pro
 1 5 10 15
 Gln Thr Gln Gly Leu Glu Thr Leu Leu Phe Val Val Phe Leu Phe Ile
 20 25 30
 Tyr Ile Phe Thr Leu Leu Gly Asn Leu Leu Ile Phe Thr Ala Ile Val



35 40 45
Ser Ser Ser Thr Leu His Thr Pro Met Tyr Phe Phe Leu Gly Leu Leu
50 55 60
Ser Ile Phe Asp Met Leu Phe Pro Ser Val Thr Cys Pro Lys Met Leu
65 70 75 80
Leu Tyr Leu Ser Gly Lys Ser Pro Ala Ile Ser Tyr Arg Gly Cys Ile
85 90 95
Ala Gln Leu Phe Phe Tyr His Phe Leu Gly Ser Thr Glu Gly Cys Leu
100 105 110
Tyr Ser Val Met Ala Tyr Asp Arg Tyr Val Ala Ile Cys His Pro Leu
115 120 125
Arg Tyr Met Leu Ile Met Lys Pro Gly Val Cys Leu Gly Leu Val Ile
130 135 140
Val Ser Trp Leu Ile Gly Cys Leu Gln Ser Gly Ile Leu Thr Phe Phe
145 150 155 160
Thr Phe Gln Leu Thr Tyr Cys Gly Pro Asn His Val His His Phe Phe
165 170 175
Cys Asp Ile Pro Ala Val Leu Pro Leu Ala Cys Thr Asp Asn Lys Leu
180 185 190
Ala Arg Lys Val Gly Ser Ile Asn Val Gly Phe Leu Ala Leu Met Leu
195 200 205
Leu Phe Ser Val Cys Val Ser Tyr Val His Ile Gly Val Ala Ile Leu
210 215 220
Arg Ile Arg Ser Ala Glu Gly Arg Gln Lys Ala Phe Phe Thr Cys Ser
225 230 235 240
Ala His Leu Thr Ala Ile Leu Cys Ala Tyr Gly Pro Val Ile Ile Ile
245 250 255
Tyr Leu Gln Arg Thr Pro Asn Pro Leu Leu Gly Ala Val Val Gln Ile
260 265 270
Leu Asn Asn Ile Val Ser Pro Met Leu Asn Ser Leu Ile Tyr Ser Leu
275 280 285
Arg Asn Lys Glu Val Lys Arg Ala Leu Arg Arg Val Phe His Ser Leu
290 295 300
Ala
305

<210> 1573
<211> 311
<212> PRT
<213> Mus musculus

<400> 1573
Met Ser Ile Arg Asn His Ser Thr Val Thr Glu Phe Leu Leu Leu Gly
1 5 10 15
Leu Thr Glu Glu Pro Ala Leu Gln Leu Pro Leu Phe Cys Leu Phe Leu
20 25 30
Gly Ile Tyr Ile Val Thr Met Val Gly Asn Leu Gly Met Ile Ala Val
35 40 45
Ile Lys Leu Asn Ser Gln Leu His Thr Pro Met Tyr Tyr Phe Leu Ser
50 55 60
Ser Leu Ser Phe Leu Asp Phe Cys Tyr Ser Ser Val Val Thr Pro Lys
65 70 75 80
Met Leu Val Gly Phe Leu Ser Arg Asp Lys Ala Ile Ser Tyr Ser Asp
85 90 95
Cys Met Ala Gln Leu Phe Phe Phe Cys Ile Phe Val Ile Ser Glu Cys
100 105 110
Tyr Met Leu Ala Ala Met Ala Tyr Asp Arg Tyr Val Ala Ile Cys Ser
115 120 125

Pro	Leu	Leu	Tyr	Ala	Val	Ile	Met	Ser	Pro	Arg	Val	Cys	Ser	Leu	Leu
	130					135					140				
Val	Ala	Ala	Val	Phe	Ser	Val	Gly	Phe	Thr	Asp	Ala	Val	Ile	His	Gly
145					150					155					160
Gly	Cys	Ile	Leu	Arg	Leu	Ser	Phe	Cys	Lys	Ser	Asn	Ile	Ile	Lys	His
				165					170					175	
Tyr	Phe	Cys	Asp	Ile	Val	Pro	Leu	Ile	Gln	Leu	Ser	Cys	Ser	Ser	Thr
			180					185					190		
Tyr	Ile	Asp	Glu	Leu	Leu	Ile	Phe	Val	Ile	Gly	Gly	Phe	Asn	Met	Ile
		195					200					205			
Ala	Thr	Ser	Leu	Thr	Ile	Val	Ile	Ser	Tyr	Gly	Phe	Ile	Leu	Ser	Ser
	210					215					220				
Ile	Leu	Arg	Ile	His	Ser	Lys	Glu	Gly	Arg	Ser	Lys	Ala	Phe	Ser	Thr
225					230					235					240
Cys	Ser	Ser	His	Leu	Thr	Ala	Val	Leu	Ile	Phe	Tyr	Gly	Ser	Leu	Met
				245					250					255	
Ser	Met	Tyr	Leu	Lys	Pro	Ala	Ser	Asn	Gly	Ser	Val	Ile	His	Glu	Lys
			260					265					270		
Val	Thr	Ser	Val	Phe	Tyr	Thr	Thr	Val	Ile	Pro	Met	Leu	Asn	Pro	Leu
		275					280					285			
Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Glu	Val	Lys	His	Ala	Leu	Val	Lys	Leu
	290				295						300				
Val	Arg	Arg	Lys	Ile	Ser	Ser									
305					310										

<210> 1574

<211> 321

<212> PRT

<213> Mus musculus

<400> 1574

Met	Val	Glu	Arg	Met	Gln	Tyr	Leu	Asn	Gln	Ser	Val	Val	Ser	Gln	Phe
1				5					10					15	
Phe	Leu	Glu	Gly	Leu	Met	Tyr	Thr	Ala	Glu	His	Pro	Gly	Leu	Phe	Phe
			20					25					30		
Leu	Leu	Phe	Leu	Leu	Ile	Tyr	Ser	Ile	Thr	Val	Ser	Gly	Asn	Leu	Leu
		35				40						45			
Ile	Leu	Leu	Thr	Val	Gly	Ser	Asp	Pro	His	Leu	Arg	Ser	Pro	Met	Tyr
	50				55						60				
His	Phe	Leu	Gly	His	Leu	Ser	Phe	Leu	Asp	Ala	Cys	Leu	Ser	Thr	Val
65				70					75					80	
Thr	Val	Pro	Lys	Val	Met	Ala	Gly	Leu	Leu	Thr	Leu	Asp	Gly	Lys	Val
			85					90					95		
Ile	Ser	Phe	Gln	Gly	Cys	Ala	Leu	Gln	Leu	Tyr	Cys	Phe	His	Phe	Leu
		100					105					110			
Ala	Ser	Thr	Glu	Cys	Phe	Leu	Tyr	Thr	Val	Met	Ala	Tyr	Asp	Arg	Tyr
		115					120					125			
Leu	Ala	Ile	Cys	Gln	Pro	Leu	His	Tyr	Pro	Val	Val	Met	Asn	Lys	Arg
	130					135					140				
Val	Cys	Ala	Gly	Leu	Ala	Gly	Ser	Thr	Trp	Ala	Ile	Gly	Ala	Met	His
145				150						155				160	
Ser	Ala	Ile	His	Thr	Ser	Leu	Thr	Phe	Arg	Leu	Leu	Tyr	Cys	Gly	Pro
			165					170						175	
Gln	His	Ile	Ala	Tyr	Phe	Phe	Cys	Asp	Ile	Pro	Pro	Val	Leu	Lys	Leu
		180					185						190		
Ala	Cys	Ala	Asp	Thr	Thr	Ile	Asn	Glu	Leu	Val	Met	Leu	Ala	Asn	Ile
		195					200					205			
Gly	Val	Val	Ala	Ala	Gly	Cys	Leu	Ile	Leu	Ile	Ile	Ile	Ser	Tyr	Ala

210		215		220											
Phe	Ile	Val	Ala	Ala	Val	Leu	Arg	Ile	Arg	Thr	Ala	Glu	Gly	Arg	Gln
225					230					235					240
Arg	Ala	Phe	Ser	Thr	Cys	Thr	Ala	His	Leu	Thr	Val	Val	Leu	Leu	Tyr
				245						250					255
Tyr	Met	Pro	Pro	Val	Cys	Ile	Tyr	Leu	Gln	Pro	Ser	Ser	Thr	Gly	Ala
			260					265					270		
Gly	Ala	Gly	Ala	Pro	Ala	Val	Phe	Tyr	Thr	Ile	Val	Thr	Pro	Met	Leu
		275					280					285			
Asn	Pro	Phe	Ile	Tyr	Thr	Leu	Arg	Asn	Lys	Glu	Val	Lys	Arg	Ala	Leu
	290					295					300				
Arg	Arg	Leu	Val	Cys	Ser	Ser	Gln	Glu	Ser	Pro	Ala	Ser	Ser	Pro	Ala
305					310					315					320
Pro															

<210> 1575
 <211> 308
 <212> PRT
 <213> Mus musculus

<400> 1575
Met Gln Gly Pro Asn Gln Thr Phe Val Thr Glu Phe Ile Leu Leu Gly
1 5 10 15
Phe Ser Leu Ser Pro Arg Thr Thr Pro Leu Leu Phe Ser Ala Phe Leu
20 25 30
Ile Ile Tyr Leu Leu Ile Ile Leu Gly Asn Gly Leu Ile Phe Ile Leu
35 40 45
Ile Cys Leu Asp Ser His Leu His Thr Pro Met Tyr Phe Phe Ile Gly
50 55 60
Val Leu Ser Met Leu Asp Leu Gly Tyr Thr Thr Thr Thr Val Pro Gln
65 70 75 80
Met Leu Ala His Leu Ala Ser Gln Lys Lys Thr Ile Ser Tyr Ser Asn
85 90 95
Cys Val Ala Gln Met Tyr Ile Phe Leu Val Leu Gly Val Thr Glu Ser
100 105 110
Trp Leu Phe Ala Ile Met Ser Ile Asp Arg Tyr Val Ala Ile Cys His
115 120 125
Pro Leu Arg Tyr Lys Val Ile Met Ser Pro Cys Leu Cys Gly Val Met
130 135 140
Ala Ile Phe Cys Gly Leu Cys Gly Val Thr Ala Ala Leu Val Tyr Thr
145 150 155 160
Ile Phe Ala Met Arg Leu Pro Tyr Cys Gly Pro Asn Lys Ile Asn His
165 170 175
Phe Phe Cys Glu Val Pro Ala Val Leu Lys Leu Ala Cys Ala Asp Thr
180 185 190
Ser Val Asn Asp His Val Asp Phe Ile Leu Gly Phe Ser Val Ile Leu
195 200 205
Ile Pro Leu Ser Leu Ile Leu Val Ile Tyr Ile Asn Ile Phe Thr Ser
210 215 220
Ile Leu Lys Ile Arg Ser Ala Gln Gly Arg Leu Lys Ala Phe Ser Thr
225 230 235 240
Cys Ala Ser His Ile Thr Val Val Thr Met Phe Cys Val Pro Ala Met
245 250 255
Val Met Tyr Met Lys Pro Gly Ser Lys Ala Ser Pro Glu Glu Asp Lys
260 265 270
Lys Leu Ala Leu Phe Tyr Asn Val Ile Ser Ala Phe Leu Asn Pro Val
275 280 285

Ile Tyr Ser Leu Arg Asn Lys Glu Cys Glu Glu Gly Phe Pro Gln Gly
 290 295 300
 Asn Arg Leu Trp
 305

<210> 1576
 <211> 315
 <212> PRT
 <213> Mus musculus

<400> 1576
 Met Gln Gly Ser Ser Tyr Glu Asn His Ser Ser Val Ser Glu Phe Ile
 1 5 10 15
 Leu Leu Gly Phe Ser Ser Asn Phe Gln Leu Asn Ile Ile Leu Phe Asn
 20 25 30
 Val Phe Phe Phe Leu Tyr Leu Ser Thr Leu Val Gly Asn Gly Leu Ile
 35 40 45
 Val Thr Leu Ile His Leu Asp Ser Arg Leu His Thr Pro Met Tyr Phe
 50 55 60
 Phe Leu Ser Val Leu Ser Met Leu Asp Met Ser Tyr Val Thr Thr Thr
 65 70 75 80
 Val Pro Gln Met Leu Val His Leu Leu Cys Gln Lys Lys Thr Ile Ser
 85 90 95
 Tyr Ser Gly Cys Val Ala Gln Met Tyr Ile Phe Leu Val Leu Gly Ile
 100 105 110
 Thr Glu Gly Trp Leu Phe Ser Val Met Ala Tyr Asp Arg Tyr Val Ala
 115 120 125
 Ile Cys His Pro Leu Arg Tyr Lys Val Ile Met Arg Pro Trp Leu Cys
 130 135 140
 Gly Ala Met Val Val Phe Cys Gly Leu Trp Gly Val Ser Cys Ser Leu
 145 150 155 160
 Ile Tyr Thr Val Phe Thr Met Arg Leu Pro Tyr Cys Gly Pro Asn Glu
 165 170 175
 Ile Asn His Phe Phe Cys Glu Val Pro Ala Val Leu Lys Leu Ala Cys
 180 185 190
 Ala Asp Thr Ser Leu Asn Asp Arg Ile Asp Phe Ile Leu Gly Phe Ile
 195 200 205
 Leu Leu Leu Val Pro Leu Ser Phe Ile Leu Ala Ser Tyr Val Cys Ile
 210 215 220
 Phe Ala Thr Ile Leu Arg Ile Arg Ser Ala Gln Gly Arg Leu Lys Ala
 225 230 235 240
 Phe Ser Thr Cys Ala Ser His Ile Thr Val Val Thr Met Phe Cys Gly
 245 250 255
 Pro Ala Met Phe Met Tyr Met Asn Pro Gly Ala Asn Ala Ser Pro Glu
 260 265 270
 Arg Asp Lys Lys Leu Ala Leu Phe Tyr Asn Val Ile Ser Ala Phe Leu
 275 280 285
 Asn Pro Ile Ile Tyr Ser Leu Arg Asn Lys Asp Val Lys Arg Ala Phe
 290 295 300
 Leu Lys Val Thr Gly Trp Gly Gly Ala Thr Glu
 305 310 315

<210> 1577
 <211> 309
 <212> PRT
 <213> Mus musculus

<400> 1577

```
Met Ala Asn Ser Thr Leu Val Pro Glu Phe Leu Leu Glu Val Phe Ala
 1          5          10          15
Glu Thr Trp Glu Leu Arg Ile Leu Leu Thr Val Leu Phe Leu Leu Met
          20          25          30
Tyr Leu Gly Ser Leu Leu Gly Asn Leu Ile Ile Ile Ile Ala Thr Thr
          35          40          45
Val Asp His Ile Leu Asn Thr Pro Met Tyr Phe Phe Leu Arg Asn Leu
          50          55          60
Ser Ile Leu Asp Met Gly Tyr Val Ser Val Thr Val Pro Asn Ala Cys
65          70          75          80
Ile Asn Ser Leu Thr Asp His Arg Ser Ile Ser Leu Ala Gly Cys Ala
          85          90          95
Gly Gln Ile Phe Leu Val Phe Phe Ser Ala Cys Val Glu Ile Gln Phe
          100          105          110
Leu Thr Ile Met Ala Gln Asp Arg Tyr Val Ala Ile Cys Lys Pro Leu
          115          120          125
Leu Tyr Ala Met Ile Met Asn His Gln Phe Cys Val Gln Met Thr Leu
          130          135          140
Ala Ser Leu Leu Thr Ser Leu Ile Leu Ala Ser Val His Thr Ser Lys
145          150          155          160
Thr Phe Gln Leu Ser Phe Cys His Ser Asn Val Val Ser Gln Phe Phe
          165          170          175
Cys Asp Ile Pro Ser Leu Leu Arg Leu Ser Cys Thr Asp Thr Phe Ile
          180          185          190
Asn Lys Leu Leu Leu Leu Leu Thr Ala Ile Val Phe Ser Gly Ser Cys
          195          200          205
Phe Thr Phe Ile Ala Ile Ser Tyr Val Arg Ile Leu Ser Thr Val Leu
          210          215          220
Lys Val Pro Val Lys Gly Glu Arg Gly Lys Ala Phe Ser Thr Cys Val
225          230          235          240
Pro His Ile Ile Val Ser Val Phe Leu Ser Ser Gly Ala Tyr Val
          245          250          255
Tyr Leu Lys Pro Ser Ala Ile Ser Glu Ile Val Glu Asp Met Thr Leu
          260          265          270
Ser Val Phe Tyr Thr Ile Val Pro Pro Phe Leu Asn Pro Ile Ile Tyr
          275          280          285
Ser Leu Arg Asn Lys Gln Ile Lys Lys Ala Val Lys Lys Val Ile Phe
          290          295          300
Arg Phe Phe Ile Val
305
```

<210> 1578

<211> 312

<212> PRT

<213> Mus musculus

<400> 1578

```
Met Glu Pro Ser Asn Arg Thr Ala Val Ser Glu Phe Val Leu Lys Gly
 1          5          10          15
Phe Ser Gly Tyr Pro Ala Leu Glu Arg Leu Leu Phe Pro Leu Cys Ser
          20          25          30
Val Met Tyr Leu Val Thr Leu Leu Gly Asn Thr Ala Ile Val Ala Val
          35          40          45
Ser Met Leu Asp Ala Arg Leu His Thr Pro Met Tyr Phe Phe Leu Gly
          50          55          60
Asn Leu Ser Ile Leu Asp Ile Cys Tyr Thr Ser Thr Phe Val Pro Leu
65          70          75          80
```

Met	Leu	Val	His	Leu	Leu	Ser	Ser	Arg	Lys	Thr	Ile	Ser	Phe	Thr	Gly
			85						90				95		
Cys	Ala	Val	Gln	Met	Cys	Leu	Ser	Leu	Ser	Thr	Gly	Ser	Thr	Glu	Cys
			100					105					110		
Leu	Leu	Leu	Ala	Val	Met	Ala	Tyr	Asp	Arg	Tyr	Leu	Ala	Ile	Cys	Gln
		115					120				125				
Pro	Leu	Arg	Tyr	Pro	Val	Leu	Met	Ser	His	Arg	Leu	Cys	Leu	Met	Leu
	130					135					140				
Ala	Gly	Ala	Ser	Trp	Val	Leu	Cys	Leu	Phe	Lys	Ser	Val	Ala	Glu	Thr
145					150					155					160
Val	Ile	Ala	Met	Arg	Leu	Pro	Phe	Cys	Gly	His	His	Val	Ile	Arg	His
			165						170					175	
Phe	Thr	Cys	Glu	Ile	Leu	Ala	Val	Leu	Lys	Leu	Thr	Cys	Gly	Asp	Thr
		180						185					190		
Ser	Val	Ser	Asp	Ala	Phe	Leu	Leu	Val	Gly	Ala	Ile	Leu	Leu	Leu	Pro
		195				200						205			
Ile	Pro	Leu	Thr	Leu	Ile	Cys	Leu	Ser	Tyr	Met	Leu	Ile	Leu	Ala	Thr
	210					215					220				
Ile	Leu	Arg	Val	Pro	Ser	Ala	Thr	Gly	Arg	Ser	Lys	Ala	Phe	Ser	Thr
225				230					235						240
Cys	Ser	Ala	His	Leu	Ala	Val	Val	Leu	Leu	Phe	Tyr	Ser	Thr	Ile	Ile
			245						250					255	
Phe	Met	Tyr	Met	Lys	Pro	Lys	Ser	Lys	Glu	Ala	Arg	Ile	Ser	Asp	Gln
		260					265						270		
Val	Phe	Thr	Val	Leu	Tyr	Ala	Val	Val	Thr	Pro	Met	Leu	Asn	Pro	Ile
		275					280					285			
Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Glu	Val	Lys	Glu	Ala	Ala	Arg	Lys	Ala
	290					295					300				
Trp	Gly	Ser	Arg	Trp	Ala	Cys	Arg								
305					310										

<210> 1579

<211> 319

<212> PRT

<213> Mus musculus

<400> 1579

Met	Glu	Arg	Ser	Asn	Lys	Thr	Thr	Pro	Val	Ser	Ser	Phe	Ile	Leu	Leu
1				5					10					15	
Gly	Leu	Ser	Ala	His	Pro	Lys	Leu	Glu	Lys	Thr	Phe	Phe	Val	Leu	Ile
			20					25					30		
Leu	Leu	Met	Tyr	Leu	Val	Ile	Leu	Leu	Gly	Asn	Val	Val	Leu	Ile	Leu
		35					40				45				
Val	Ser	Ile	Leu	Asp	Ser	His	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu
	50					55					60				
Gly	Asn	Leu	Ser	Phe	Leu	Asp	Ile	Cys	Tyr	Thr	Thr	Ser	Ser	Val	Pro
65					70					75					80
Leu	Ile	Leu	Asp	Ser	Phe	Leu	Thr	Pro	Arg	Lys	Thr	Ile	Ser	Phe	Ser
			85						90					95	
Gly	Cys	Ala	Val	Gln	Met	Phe	Leu	Ser	Phe	Ala	Met	Gly	Ala	Thr	Glu
			100					105					110		
Cys	Val	Leu	Leu	Gly	Met	Met	Ala	Phe	Asp	Arg	Tyr	Val	Ala	Ile	Cys
		115					120					125			
Asn	Pro	Leu	Arg	Tyr	Pro	Val	Val	Met	Ser	Lys	Ala	Ala	Tyr	Val	Pro
	130					135					140				
Met	Ala	Ala	Gly	Ser	Trp	Val	Ser	Gly	Ser	Ile	Thr	Ala	Thr	Val	Gln
145					150					155					160
Ile	Ser	Leu	Ala	Met	Thr	Leu	Pro	Phe	Cys	Gly	Asp	Asn	Val	Ile	Asn

His	Phe	Thr	Cys	165	Glu	Ile	Leu	Ala	Val	170	Leu	Lys	Leu	Ala	Cys	175	Ala	Asp
			180							185					190			
Ile	Ser	Ile	Asn	Val	Ile	Ser	Met	Ala	Val	Ala	Asn	Ala	Met	Phe	Leu			
		195					200					205						
Gly	Val	Pro	Val	Leu	Phe	Ile	Phe	Val	Ser	Tyr	Ile	Phe	Ile	Leu	Ser			
	210					215					220							
Thr	Ile	Leu	Arg	Ile	Pro	Ser	Ala	Glu	Gly	Arg	Lys	Lys	Ala	Phe	Ser			
225					230					235					240			
Thr	Cys	Ser	Ala	His	Leu	Thr	Val	Val	Leu	Val	Phe	Tyr	Gly	Thr	Ile			
				245						250				255				
Leu	Phe	Met	Tyr	Gly	Lys	Pro	Lys	Ser	Lys	Asp	Pro	Leu	Gly	Ala	Asp			
			260					265					270					
Lys	Gln	Asp	Leu	Ala	Asp	Lys	Leu	Ile	Ser	Leu	Phe	Tyr	Gly	Val	Val			
		275					280					285						
Thr	Pro	Met	Leu	Asn	Pro	Ile	Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Val			
	290					295					300							
Lys	Ala	Ala	Val	Thr	Asn	Leu	Val	Gly	Gln	Lys	His	Phe	Lys	Trp				
305					310					315								

<210> 1580

<211> 318

<212> PRT

<213> Mus musculus

<400> 1580

Met	Glu	Gly	Ala	Asn	Gln	Ser	Thr	Val	Ala	Glu	Phe	Val	Leu	Leu	Gly			
1				5					10					15				
Leu	Ser	Asp	His	Pro	Lys	Leu	Glu	Lys	Thr	Phe	Phe	Val	Leu	Ile	Leu			
			20					25					30					
Leu	Met	Tyr	Leu	Val	Ile	Leu	Leu	Gly	Asn	Gly	Val	Leu	Ile	Leu	Val			
		35					40					45						
Ser	Ile	Leu	Asp	Ser	His	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Gly			
	50					55					60							
Asn	Leu	Ser	Phe	Leu	Asp	Ile	Cys	Tyr	Thr	Thr	Ser	Ser	Ile	Pro	Leu			
65					70					75					80			
Val	Leu	Asp	Gly	Phe	Leu	Thr	Pro	Arg	Lys	Thr	Ile	Ser	Phe	Ser	Gly			
				85					90					95				
Cys	Ala	Val	Gln	Met	Phe	Leu	Ser	Phe	Ala	Met	Gly	Ala	Thr	Glu	Cys			
			100					105					110					
Val	Leu	Leu	Gly	Met	Met	Ala	Phe	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Asn			
		115					120					125						
Pro	Leu	Arg	Tyr	Pro	Val	Val	Met	Asn	Lys	Ser	Ala	Tyr	Val	Pro	Met			
	130					135					140							
Ala	Val	Ser	Ser	Trp	Val	Ala	Gly	Gly	Ala	Asn	Ser	Leu	Val	Gln	Ile			
145					150					155					160			
Ser	Leu	Ala	Val	Gln	Leu	Pro	Phe	Cys	Gly	Asp	Asn	Val	Ile	Asn	His			
				165					170					175				
Phe	Thr	Cys	Glu	Ile	Leu	Ala	Val	Leu	Lys	Leu	Ala	Cys	Ala	Asp	Ile			
			180					185					190					
Ser	Ile	Asn	Val	Ile	Ser	Met	Gly	Val	Ala	Asn	Val	Ile	Phe	Leu	Gly			
		195					200					205						
Val	Pro	Val	Leu	Phe	Ile	Phe	Val	Ser	Tyr	Ile	Phe	Ile	Leu	Ser	Thr			
	210					215						220						
Ile	Leu	Arg	Ile	Pro	Ser	Ala	Glu	Gly	Arg	Lys	Lys	Ala	Phe	Ser	Thr			
225					230					235					240			
Cys	Ser	Ala	His	Leu	Thr	Val	Val	Leu	Val	Phe	Tyr	Gly	Thr	Ile	Leu			
				245					250					255				

Phe	Met	Tyr	Gly	Lys	Pro	Lys	Ser	Lys	Asp	Pro	Leu	Gly	Ala	Asp	Lys
			260					265					270		
Gln	Asp	Val	Ser	Asp	Lys	Leu	Ile	Ser	Leu	Phe	Tyr	Gly	Val	Leu	Thr
		275					280					285			
Pro	Met	Leu	Asn	Pro	Ile	Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Val	Lys
	290					295					300				
Ala	Ala	Val	Arg	Asn	Leu	Val	Gly	Gln	Lys	Cys	Leu	Ile	Gln		
305					310					315					

<210> 1581
 <211> 312
 <212> PRT
 <213> Mus musculus

<400> 1581

Met	Asp	Glu	Glu	Asn	Cys	Ser	Thr	Val	Ala	Gln	Phe	Ile	Leu	Leu	Gly
1				5					10					15	
Phe	Ser	Asp	Val	Pro	Glu	Leu	Arg	Gly	Val	Leu	Ser	Leu	Leu	Phe	Leu
			20					25					30		
Leu	Ile	Tyr	Gly	Val	Thr	Ala	Leu	Ala	Asn	Leu	Gly	Met	Thr	Ala	Leu
		35					40					45			
Ile	Gln	Val	Ser	Ser	Gln	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Ser
	50					55					60				
His	Leu	Ser	Phe	Val	Asp	Phe	Cys	Tyr	Ser	Ser	Val	Ile	Val	Pro	Lys
65					70					75					80
Met	Leu	Ala	Asn	Ile	Phe	Asn	Lys	Asp	Lys	Ala	Ile	Ser	Phe	Leu	Ala
				85					90					95	
Cys	Met	Val	Gln	Phe	Tyr	Leu	Phe	Cys	Thr	Cys	Val	Val	Thr	Glu	Val
			100					105					110		
Phe	Leu	Leu	Ala	Val	Met	Ala	Tyr	Asp	Arg	Phe	Val	Ala	Ile	Cys	Asn
		115					120					125			
Pro	Leu	Leu	Tyr	Thr	Ala	Thr	Met	Ser	Ser	Asp	Leu	Arg	Met	Ile	Leu
	130					135					140				
Val	Ser	Gly	Cys	Tyr	Leu	Cys	Ala	Ser	Met	Cys	Ser	Leu	Ile	His	Leu
145					150					155					160
Cys	Leu	Ala	Leu	Glu	Ile	Pro	Ser	Phe	Lys	Ser	Asn	Val	Ile	Asn	His
				165					170					175	
Phe	Phe	Cys	Asp	Leu	Pro	Pro	Leu	Leu	Ser	Leu	Ala	Cys	Ser	Asp	Val
			180					185					190		
Thr	Val	Asn	Lys	Val	Leu	Leu	Phe	Val	Val	Ala	Thr	Phe	Asn	Glu	Ser
		195					200					205			
Phe	Ser	Ile	Val	Val	Ile	Phe	Thr	Ser	Tyr	Leu	Phe	Ile	Leu	Ile	Thr
	210					215					220				
Ile	Leu	Arg	Met	Arg	Ser	Val	Glu	Gly	Arg	Arg	Lys	Ala	Phe	Ser	Thr
225					230					235					240
Cys	Ala	Ser	His	Leu	Thr	Val	Ile	Ile	Val	Phe	His	Gly	Thr	Ile	Leu
				245					250					255	
Ser	Ile	Tyr	Cys	Ser	Ser	Thr	Ser	Asp	Asn	Ser	Gly	Asp	Ala	Asp	Lys
			260					265					270		
Val	Ala	Thr	Val	Phe	Tyr	Thr	Val	Val	Ile	Pro	Met	Leu	Asn	Pro	Leu
		275					280					285			
Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Val	Lys	Gly	Ala	Leu	Arg	Lys	Val
	290					295					300				
Val	Asn	Ser	Lys	Ile	Tyr	Ser	Gln								
305					310										

<210> 1582

<211> 321
 <212> PRT
 <213> Mus musculus

<400> 1582

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Met Leu Leu Thr Tyr Gly Asn Asn Ser Gly Ala Met Phe Ile Leu Leu
 1           5           10           15
Ser Phe Ser Asp Tyr Pro Glu Ile Glu Met Pro Leu Phe Leu Val Phe
          20           25           30
Leu Ala Ile Tyr Ser Ile Thr Val Val Gly Asn Ile Gly Met Ile Val
          35           40           45
Ile Ile Arg Ile Asn Pro Lys Leu His Thr Pro Met Tyr Phe Phe Leu
 50           55           60
Ser His Leu Ser Phe Val Asp Phe Cys Tyr Ser Ser Val Ile Ala Pro
65           70           75           80
Lys Met Leu Val Asn Leu Phe Ile Lys Asn Arg Ala Ile Ser Phe Leu
          85           90           95
Glu Cys Ile Val Gln Tyr Phe Phe Phe Ala Ile Phe Val Val Thr Glu
          100          105          110
Thr Ile Leu Leu Val Val Met Ala Tyr Asp Arg Phe Val Ala Ile Cys
115          120          125
Arg Pro Leu Leu Tyr Thr Val Ala Met Ser Gln Lys Leu Cys Ile Ser
130          135          140
Leu Val Val Gly Ser Tyr Ala Trp Gly Leu Ile Cys Ser Leu Thr Met
145          150          155          160
Thr Cys Ser Ile Ile Gln Leu Ser Phe Val Gly Ile Asn Thr Ile Asp
          165          170          175
His Phe Phe Cys Glu Phe Ser Ser Leu Leu Val Leu Ser Cys Ser Asp
180          185          190
Thr His Val Asn Gln Ile Leu Leu Phe Ser Leu Ser Thr Val Asn Ala
195          200          205
Leu Ser Thr Leu Leu Ile Ile Leu Leu Ser Tyr Met Phe Ile Leu Val
210          215          220
Thr Ile Leu Lys Met Gln Ser Ser Arg Gly Arg Gln Lys Ala Phe Tyr
225          230          235          240
Thr Cys Ala Ser His Leu Thr Thr Ile Thr Ile Phe Tyr Gly Thr Ile
          245          250          255
Leu Phe Leu Tyr Ser Val Pro Asn Ser Lys Asn Ser Gln Leu Thr Phe
260          265          270
Lys Val Ala Ser Leu Phe Tyr Thr Leu Val Ile Pro Met Leu Asn Pro
275          280          285
Leu Ile Tyr Ser Leu Arg Asn Lys Asp Val Lys Asp Thr Val Arg Gln
290          295          300
Ile Met Lys Ile Lys Phe Ile Ala Leu Pro His Leu Ser Ser Lys Val
305          310          315          320
Arg

```

<210> 1583
 <211> 308
 <212> PRT
 <213> Mus musculus

<400> 1583

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Met Asp Glu Glu Asn Ile Thr Glu Val Thr Glu Phe Ile Leu Leu Gly
 1           5           10           15
Phe Thr Glu Asp Ala Val Leu Gln Gln Val Leu Phe Phe Ile Phe Leu
          20           25           30

```

Thr Ile Tyr Ile Ile Ser Leu Leu Gly Asn Ile Thr Leu Ile Ser Leu
 35 40 45
 Ile Cys Ala Asp Ser Arg Leu His Thr Pro Met Tyr Phe Phe Ile Gly
 50 55 60
 Asn Leu Ser Phe Leu Asp Leu Trp Tyr Ser Ser Val Tyr Ala Pro Lys
 65 70 75 80
 Ile Leu Ile Thr Cys Ile Thr Glu Asp Lys Ser Ile Ser Phe Ala Gly
 85 90 95
 Cys Leu Ala Gln Phe Phe Phe Ser Ala Gly Leu Ala Tyr Ser Glu Cys
 100 105 110
 Tyr Leu Leu Ala Ala Met Ala Tyr Asp Arg Tyr Val Ala Ile Ser Asn
 115 120 125
 Pro Leu Leu Tyr Phe Gln Ala Met Ser Pro Arg Leu Arg Ala Ser Leu
 130 135 140
 Val Ala Ala Ser Tyr Leu Gly Gly Phe Ala Asn Ser Thr Ile Ile Thr
 145 150 155 160
 Ser Glu Thr Phe Thr Leu Ser Phe Cys Arg Asp Asn Ile Ile Asp Asp
 165 170 175
 Phe Phe Cys Asp Leu Pro Pro Leu Val Lys Leu Ala Cys Asp Val Lys
 180 185 190
 Glu Ser Tyr Gln Ala Val Leu Tyr Phe Ile Leu Ala Ser Asn Val Ile
 195 200 205
 Thr Pro Thr Val Leu Ile Leu Ala Ser Tyr Leu Phe Ile Ile Val Ala
 210 215 220
 Ile Leu Lys Ile Arg Ser Thr Gln Gly Arg Leu Lys Ala Phe Ser Thr
 225 230 235 240
 Cys Gly Ser His Leu Thr Ala Val Thr Leu Tyr Tyr Gly Ser Ile Leu
 245 250 255
 Phe Ile Tyr Ser Arg Pro Ser Thr Ser Tyr Ala Leu Glu Arg Asp Lys
 260 265 270
 Val Val Ser Val Phe Tyr Thr Val Val Ile Pro Met Leu Asn Pro Met
 275 280 285
 Ile Tyr Ser Leu Arg Asn Lys Asp Val Lys Asp Ala Leu Arg Lys Met
 290 295 300
 Leu Asp Ile Val
 305

<210> 1584

<211> 313

<212> PRT

<213> Mus musculus

<400> 1584

Met Lys Glu His Asn Leu Thr Val Met Thr Glu Phe Ile Leu Met Gly
 1 5 10 15
 Ile Ser Asp His Ser Glu Leu Gln Ala Pro Leu Phe Gly Leu Phe Leu
 20 25 30
 Ala Ile Tyr Met Thr Ser Met Val Gly Asn Leu Gly Ile Ile Val Leu
 35 40 45
 Thr Thr Val Asp Ser Arg Leu Gln Thr Pro Met Tyr Phe Phe Leu Arg
 50 55 60
 His Leu Ala Ile Thr Asp Leu Gly Tyr Ser Thr Ala Val Gly Pro Lys
 65 70 75 80
 Met Leu Glu Asn Phe Val Val Asp Gln Asn Thr Ile Ser Phe Asn Leu
 85 90 95
 Cys Ala Thr Gln Leu Ala Phe Phe Leu Val Phe Ile Gly Ser Glu Leu
 100 105 110
 Phe Ile Leu Ser Ala Met Ser Tyr Asp Arg Tyr Val Ala Ile Cys Lys

Pro	Leu	Leu	Tyr	Thr	Val	Leu	Met	Ser	Gln	Lys	Leu	Cys	Trp	Val	Leu
	130					135					140				
Met	Ser	Met	Pro	Tyr	Leu	Tyr	Cys	Thr	Phe	Val	Ser	Leu	Leu	Ile	Thr
145					150					155					160
Val	Lys	Ile	Phe	Thr	Ser	Ser	Phe	Cys	Gly	Tyr	Asn	Val	Ile	Asn	His
				165					170					175	
Phe	Tyr	Cys	Asp	Cys	Ile	Pro	Leu	Leu	Ser	Leu	Leu	Cys	Ser	His	Ala
			180					185					190		
Glu	Glu	Ile	Ala	Phe	Ile	Val	Met	Ile	Phe	Ala	Ala	Phe	Asp	Leu	Ile
		195					200					205			
Val	Ser	Leu	Leu	Ile	Val	Leu	Val	Ser	Tyr	Met	Phe	Ile	Leu	Ile	Ala
210					215						220				
Val	Leu	Arg	Met	Asn	Ser	Ala	Glu	Gly	Arg	Tyr	Lys	Ala	Phe	Ser	Thr
225				230					235						240
Cys	Gly	Ser	His	Leu	Thr	Val	Val	Thr	Val	Phe	Tyr	Gly	Thr	Leu	Ile
				245					250					255	
Phe	Met	Tyr	Val	Gln	Pro	Gln	Ser	Ser	His	Ser	Asp	Asp	Asn	Asp	Lys
			260					265					270		
Val	Ser	Ser	Ile	Phe	Tyr	Thr	Leu	Val	Ile	Pro	Met	Leu	Asn	Pro	Leu
		275					280					285			
Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Val	Lys	Phe	Ala	Leu	His	Arg	Thr
	290				295						300				
Trp	Arg	Asn	Ile	Cys	Lys	Ile	Phe	Pro							
305					310										

<210> 1585

<211> 313

<212> PRT

<213> Mus musculus

<400> 1585

Met	Glu	Lys	Asn	Asn	Leu	Thr	Ala	Val	Thr	Gln	Phe	Ile	Leu	Met	Gly
1				5					10				15		
Ile	Thr	Glu	Arg	Pro	Glu	Leu	Gln	Ala	Pro	Leu	Phe	Gly	Leu	Phe	Leu
			20					25				30			
Val	Ile	Tyr	Leu	Ser	Ser	Met	Phe	Gly	Asn	Leu	Gly	Met	Ile	Ile	Leu
		35					40					45			
Thr	Thr	Val	Asp	Ser	Lys	Leu	Gln	Thr	Pro	Met	Tyr	Phe	Phe	Ile	Arg
		50				55					60				
His	Leu	Ala	Ile	Thr	Asp	Leu	Gly	Tyr	Ser	Thr	Ala	Val	Gly	Pro	Lys
65					70					75				80	
Met	Leu	Val	Asn	Phe	Val	Val	Asp	Leu	Asn	Ile	Ile	Ser	Tyr	Asn	Leu
				85					90					95	
Cys	Ala	Thr	Gln	Leu	Ala	Phe	Phe	Leu	Val	Phe	Ile	Ile	Ser	Glu	Leu
			100					105					110		
Phe	Ile	Leu	Ser	Ala	Met	Ser	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Lys
		115						120				125			
Pro	Leu	Leu	Tyr	Thr	Val	Ile	Met	Ser	Gln	Arg	Val	Cys	Gln	Val	Leu
	130					135					140				
Val	Ala	Ile	Pro	Tyr	Leu	Tyr	Cys	Thr	Phe	Val	Ser	Leu	Leu	Val	Thr
145					150					155					160
Ile	Lys	Ile	Phe	Thr	Leu	Ser	Phe	Cys	Gly	Tyr	Asn	Val	Ile	Ser	His
				165					170					175	
Phe	Tyr	Cys	Asp	Ser	Leu	Pro	Leu	Leu	Ser	Leu	Ile	Cys	Ser	Asn	Thr
			180					185					190		
Asn	Glu	Ile	Glu	Met	Ile	Ile	Leu	Val	Leu	Ala	Ala	Phe	Asn	Leu	Ile
	195						200					205			

Ser	Ser	Leu	Leu	Val	Val	Leu	Val	Ser	Tyr	Leu	Phe	Ile	Leu	Ile	Ala
	210					215					220				
Ile	Leu	Arg	Met	Asn	Ser	Ala	Glu	Gly	Arg	Arg	Lys	Ala	Phe	Ser	Thr
225					230					235					240
Cys	Gly	Ser	His	Leu	Thr	Val	Val	Thr	Val	Phe	Tyr	Gly	Thr	Leu	Ile
				245						250					255
Phe	Met	Tyr	Val	Gln	Pro	Gln	Ser	Ser	His	Ser	Phe	Asp	Thr	Asp	Lys
			260					265					270		
Val	Ala	Ser	Ile	Phe	Tyr	Thr	Leu	Ile	Ile	Pro	Met	Leu	Asn	Pro	Met
		275					280					285			
Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Val	Lys	Tyr	Ala	Leu	Gln	Arg	Ser
	290				295						300				
Leu	Lys	Lys	Ile	Tyr	Ser	Ile	Leu	Ser							
305					310										

<210> 1586

<211> 308

<212> PRT

<213> Mus musculus

<400> 1586

Met	Asn	Pro	Glu	Phe	Met	Leu	Val	Gly	Leu	Thr	Asp	Ser	Lys	Glu	Ile
1				5					10					15	
Gln	Leu	Val	Leu	Ser	Val	Leu	Phe	Leu	Leu	Ile	Tyr	Met	Leu	Thr	Val
			20					25					30		
Leu	Gly	Asn	Ile	Gly	Ile	Ile	Leu	Ile	Ile	His	Leu	Asp	Val	Gln	Leu
		35					40					45			
His	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Thr	His	Leu	Ser	Phe	Leu	Asp	Leu
	50					55					60				
Ser	Tyr	Ser	Thr	Val	Ile	Thr	Pro	Lys	Thr	Leu	Gln	Asn	Thr	Leu	Thr
65					70					75					80
Ser	Ile	Lys	Asn	Ile	Ser	Phe	Met	Gly	Cys	Phe	Thr	Gln	Leu	Tyr	Phe
			85						90					95	
Phe	Ala	Phe	Leu	Ala	Gly	Ser	Glu	Cys	Phe	Ile	Leu	Ser	Ser	Met	Ala
			100					105					110		
Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Asn	Pro	Leu	His	Tyr	Pro	Val	Ile
	115						120					125			
Met	Ser	Pro	Arg	Arg	Ser	Tyr	Ile	Leu	Ile	Thr	Val	Ser	Tyr	Ile	Val
	130					135					140				
Gly	Ala	Ile	Asp	Ser	Ser	Ala	Thr	Val	Phe	Trp	Leu	Ser	Thr	Leu	Asp
145					150					155					160
Phe	Cys	Asn	Ser	Thr	Val	Ile	His	His	Phe	Phe	Cys	Asp	Thr	Phe	Pro
				165					170					175	
Ile	Leu	Ala	Leu	Ser	Cys	Ser	Asp	Thr	Tyr	Asn	Ala	Glu	Ala	Thr	Ile
			180					185					190		
Phe	Val	Leu	Ala	Gly	Ser	Thr	Leu	Leu	Ser	Leu	Ile	Thr	Ile	Ser	
		195					200					205			
Ala	Ser	Tyr	Val	Ser	Ile	Leu	Ser	Thr	Ile	Leu	Lys	Ile	Asn	Ser	Ser
	210					215					220				
Ser	Gly	Lys	His	Lys	Ala	Phe	Ser	Thr	Cys	Ala	Ser	His	Leu	Ile	Gly
225					230					235					240
Val	Thr	Val	Phe	Tyr	Gly	Thr	Thr	Ile	Phe	Thr	Tyr	Leu	Lys	Pro	Ser
			245						250					255	
Thr	Ser	Tyr	Ser	Leu	Gly	Lys	Asp	Gln	Val	Ala	Pro	Val	Phe	Tyr	Thr
			260					265					270		
Ile	Val	Ile	Pro	Met	Leu	Asn	Pro	Leu	Ile	Tyr	Ser	Leu	Arg	Asn	Lys
		275					280					285			
Glu	Val	Lys	Ser	Ala	Val	Val	Arg	Val	Met	Lys	Lys	Arg	Glu	Cys	Ile

290
Gln Lys Leu Lys
305

295

300

<210> 1587
<211> 312
<212> PRT
<213> Mus musculus

<400> 1587
Met Arg Val Trp Asn His Thr Gly Val Lys Glu Phe Met Leu Leu Gly
1 5 10 15
Leu Thr Glu Asn Pro Asn Cys Gln Val Pro Leu Phe Leu Leu Phe Ser
20 25 30
Ile Val Tyr Leu Ile Ile Leu Val Gly Asn Trp Gly Met Ile Ile Leu
35 40 45
Ile Trp Leu Asn Ala His Leu His Thr Pro Met Tyr Phe Phe Leu Ser
50 55 60
Asn Leu Ser Phe Cys Asp Ile Cys Tyr Ser Thr Val Ile Ala Pro Lys
65 70 75 80
Met Leu Ile Asp Phe Leu Ser Glu His Lys Ser Ser Thr Phe Phe Gly
85 90 95
Cys Val Leu Gln Ser Phe Phe Phe Ala Val Tyr Ile Thr Thr Glu Gly
100 105 110
Ile Leu Leu Ser Met Met Ala Tyr Asp Arg Tyr Val Ala Ile Ala Asn
115 120 125
Pro Leu Met Tyr Thr Val Ile Met Thr His Arg Ile Cys Ser Gln Met
130 135 140
Val Leu Ala Cys Tyr Leu Gly Gly Leu Ile Asn Ser Leu Thr His Thr
145 150 155 160
Ile Gly Leu Leu Arg Leu Asp Phe Cys Gly Pro Asn Ile Val Asn His
165 170 175
Phe Phe Cys Asp Ile Pro Pro Leu Leu Lys Leu Ala Cys Ser Asp Ala
180 185 190
His Ile Asn Glu Met Leu Leu Leu Val Phe Ser Gly Val Ile Ala Ile
195 200 205
Phe Thr Phe Ile Ile Val Met Val Ser Tyr Ile His Ile Ile Ile Ala
210 215 220
Ile Leu Arg Ile Arg Ser Ala Glu Gly Arg Arg Lys Ala Phe Ser Thr
225 230 235 240
Cys Ala Ser His Leu Thr Ala Val Ile Leu Phe Tyr Gly Ser Val Thr
245 250 255
Phe Ser Tyr Ile Gln Pro Ser Ser Gln Tyr Ser Met Glu Gln Glu Lys
260 265 270
Val Ser Ala Val Phe Tyr Thr Leu Val Ile Pro Met Leu Asn Pro Leu
275 280 285
Ile Tyr Ser Leu Arg Asn Lys Asp Val Lys Glu Ala Ala Lys Lys Phe
290 295 300
Ile Gly Arg Glu Arg Arg Thr Ser
305 310

<210> 1588
<211> 315
<212> PRT
<213> Mus musculus

<400> 1588

Met	Ser	Ala	Cys	Asn	His	Thr	Asn	Glu	Pro	Glu	Phe	Thr	Leu	Val	Gly
1				5					10					15	
Leu	Thr	Asp	Ser	Lys	Glu	Ile	Gln	Leu	Val	Leu	Ser	Val	Leu	Phe	Leu
		20						25					30		
Leu	Ile	Tyr	Met	Leu	Thr	Val	Leu	Gly	Asn	Ile	Gly	Met	Ile	Leu	Ile
		35					40					45			
Ile	His	Leu	Asp	Val	Gln	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Thr
	50					55					60				
His	Leu	Ser	Phe	Leu	Asp	Leu	Ser	Tyr	Ser	Thr	Val	Ile	Thr	Pro	Lys
65					70					75					80
Thr	Leu	Gln	Asn	Thr	Leu	Thr	Ser	Ile	Lys	Asn	Ile	Ser	Phe	Met	Gly
				85					90					95	
Cys	Phe	Thr	Gln	Leu	Tyr	Phe	Phe	Val	Leu	Leu	Ala	Ala	Ser	Glu	Cys
			100					105						110	
Phe	Ile	Leu	Ser	Ser	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Asn
		115					120					125			
Pro	Leu	His	Tyr	Pro	Val	Ile	Met	Ser	Pro	Arg	Arg	Ser	Tyr	Thr	Leu
	130					135						140			
Ile	Thr	Val	Ser	Tyr	Met	Ile	Gly	Val	Leu	Asp	Ser	Ser	Val	Thr	Val
145					150					155					160
Phe	Cys	Leu	Ser	Thr	Leu	Asp	Phe	Cys	Asn	Ser	Lys	Val	Ile	His	His
				165					170					175	
Phe	Phe	Cys	Asp	Thr	Phe	Pro	Ile	Leu	Ala	Leu	Ser	Cys	Ser	Asp	Thr
			180					185					190		
Tyr	Asn	Ala	Glu	Ala	Thr	Ile	Phe	Val	Leu	Ala	Gly	Ser	Thr	Leu	Leu
		195					200					205			
Leu	Ser	Leu	Ile	Thr	Ile	Ser	Ser	Ser	Tyr	Val	Ser	Ile	Leu	Ser	Thr
	210					215						220			
Ile	Leu	Lys	Ile	Asn	Ser	Ser	Ser	Gly	Lys	His	Lys	Ala	Phe	Ser	Thr
225					230					235					240
Cys	Ala	Ser	His	Leu	Ile	Gly	Val	Thr	Val	Phe	Tyr	Gly	Thr	Met	Ile
				245					250					255	
Phe	Thr	Tyr	Leu	Lys	Pro	Ser	Thr	Ser	Tyr	Ser	Leu	Gly	Lys	Asp	Gln
			260					265					270		
Val	Ala	Ser	Val	Phe	Tyr	Thr	Ile	Val	Ile	Pro	Met	Leu	Asn	Pro	Leu
		275					280					285			
Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Glu	Val	Lys	Ser	Ala	Val	Val	Arg	Val
	290					295					300				
Met	Lys	Lys	Arg	Glu	Cys	Ile	Gln	Lys	Leu	Glu					
305					310					315					

<210> 1589

<211> 313

<212> PRT

<213> Mus musculus

<400> 1589

Met	Glu	Lys	Ala	Val	Leu	Ile	Asn	Gln	Thr	Ser	Val	Met	Ser	Phe	Arg
1				5					10					15	
Leu	Thr	Gly	Leu	Ser	Thr	Asn	Pro	Lys	Val	Gln	Met	Ala	Ile	Phe	Phe
		20						25					30		
Ile	Phe	Leu	Ile	Phe	Tyr	Val	Leu	Thr	Leu	Val	Gly	Asn	Ile	Leu	Ile
		35					40					45			
Val	Val	Thr	Ile	Ile	His	Asp	His	Arg	Leu	His	Thr	Pro	Met	Tyr	Phe
	50					55					60				
Phe	Leu	Ser	Asn	Leu	Ser	Phe	Ile	Asp	Val	Cys	His	Ser	Thr	Val	Thr
65					70					75					80
Val	Pro	Lys	Met	Leu	Ser	Asp	Thr	Phe	Ser	Glu	Glu	Lys	Leu	Ile	Ser

Lys	Ser	Thr	Ile	Arg	His	Ser	Tyr	Cys	Glu	His	Met	Gly	Ile	Ala	Arg
			180					185					190		
Leu	Ala	Cys	Asp	Ser	Ile	Lys	Val	Asn	Ile	Tyr	Tyr	Gly	Val	Ile	Val
		195					200					205			
Ala	Leu	Phe	Ser	Thr	Cys	Leu	Asp	Ala	Val	Leu	Ile	Ile	Val	Ser	Tyr
	210					215					220				
Ala	Leu	Ile	Leu	Cys	Ala	Val	Phe	Arg	Ile	Pro	Ser	Arg	Asp	Ala	Arg
225					230					235					240
Leu	Lys	Ala	Leu	Gly	Thr	Cys	Gly	Ser	His	Val	Cys	Val	Ile	Leu	Leu
			245						250					255	
Phe	Tyr	Thr	Pro	Ala	Phe	Phe	Ser	Phe	Phe	Ala	His	Arg	Phe	Gly	Gly
		260						265					270		
His	Ser	Ile	Pro	Leu	His	Val	His	Ile	Leu	Leu	Ala	Asn	Leu	Tyr	Val
		275					280					285			
Val	Val	Pro	Pro	Ser	Val	Asn	Pro	Ile	Ile	Tyr	Gly	Val	Lys	Thr	Lys
	290					295					300				
Gln	Ile	Gln	Glu	Arg	Val	Ile	Gln	Val	Phe	Ser	Leu	Gly	Lys		
305					310					315					

<210> 1591

<211> 316

<212> PRT

<213> Mus musculus

<400> 1591

Met	Leu	Gly	Trp	Ser	Asn	Gly	Thr	Tyr	Asn	Glu	Ser	Tyr	Thr	Ser	Phe
1				5					10					15	
Leu	Leu	Met	Gly	Phe	Pro	Gly	Met	Gln	Glu	Ala	Arg	Ala	Leu	Leu	Val
		20						25					30		
Leu	Pro	Phe	Leu	Ser	Leu	Tyr	Leu	Val	Ile	Leu	Phe	Thr	Asn	Ala	Leu
	35						40					45			
Val	Ile	His	Thr	Val	Ala	Ser	Gln	Arg	Ser	Leu	His	Gln	Pro	Met	Tyr
	50					55					60				
Leu	Leu	Ile	Ala	Leu	Leu	Leu	Ala	Val	Asn	Ile	Cys	Ala	Ala	Thr	Thr
65					70					75					80
Val	Leu	Pro	Pro	Met	Leu	Phe	Ser	Phe	Ser	Thr	Arg	Phe	Asn	Arg	Ile
			85						90				95		
Ser	Leu	Pro	Arg	Cys	Leu	Gly	Gln	Met	Phe	Cys	Ile	Tyr	Phe	Leu	Val
		100						105					110		
Ser	Met	Asp	Cys	Asn	Ile	Leu	Leu	Val	Met	Ala	Leu	Asp	Arg	Tyr	Val
		115					120					125			
Ala	Ile	Cys	Tyr	Pro	Leu	Arg	Tyr	Pro	Glu	Ile	Val	Thr	Gly	Gln	Leu
	130					135					140				
Leu	Ala	Gly	Leu	Val	Val	Leu	Ala	Val	Thr	Arg	Ser	Thr	Ser	Ile	Val
145					150					155					160
Ala	Pro	Val	Val	Val	Leu	Ala	Ser	Arg	Val	Arg	Phe	Cys	Arg	Ser	Asp
			165						170					175	
Val	Ile	Arg	His	Phe	Ala	Cys	Glu	His	Met	Ala	Leu	Met	Lys	Leu	Ser
		180						185					190		
Cys	Gly	Asp	Ile	Ser	Leu	Asn	Lys	Thr	Ala	Gly	Leu	Ile	Ile	Arg	Thr
		195					200					205			
Phe	Asn	Arg	Val	Leu	Asp	Met	Leu	Leu	Leu	Gly	Thr	Ser	Tyr	Ser	Arg
	210					215					220				
Ile	Ile	His	Ala	Ala	Phe	Arg	Ile	Ser	Ser	Gly	Gly	Ala	Arg	Ser	Lys
225					230					235					240
Ala	Leu	Asn	Thr	Cys	Gly	Ser	His	Leu	Leu	Val	Ile	Phe	Thr	Val	Tyr
			245						250					255	
Ser	Ser	Thr	Met	Ser	Ser	Ser	Ile	Val	Tyr	Arg	Val	Ala	Arg	Thr	Ala

<212> PRT

<213> Mus musculus

<400> 1593

```
Met Lys Phe Thr Glu Ile Arg Ala Glu Asp Asn Ala Ser Thr Val Thr
 1      5      10      15
Glu Phe Leu Leu Gly Phe Ser Asp Leu Pro Asn Leu Gln Gly Ile
 20      25      30
Leu Phe Gly Met Phe Ser Ile Ile Tyr Leu Ile Ile Leu Val Gly Asn
 35      40      45
Ser Phe Ile Ile Val Ile Thr Arg Ile Asp Pro Ala Leu Gln Lys Pro
 50      55      60
Met Tyr Phe Phe Leu Ala Asn Phe Ser Ser Leu Glu Ile Cys Tyr Val
 65      70      75      80
Ser Val Thr Leu Pro Arg Ile Leu Phe Ser Ile Ala Thr Gln Glu Arg
 85      90      95
Lys Ile Ser Val Leu Ser Cys Ala Thr Gln Leu Cys Phe Phe Leu Met
100      105      110
Leu Ala Ala Thr Glu Cys Phe Leu Leu Ala Val Met Ser Tyr Asp Arg
115      120      125
Tyr Val Ala Ile Cys Asn Pro Leu His Tyr Pro Leu Val Met Asn Pro
130      135      140
Thr Lys Cys Thr Gln Leu Ala Ala Ala Ser Trp Leu Gly Gly Ile Pro
145      150      155      160
Val Gln Ile Gly Gln Thr Cys Gln Ile Phe Ser Leu His Phe Cys Asn
165      170      175
Ser Thr Gln Ile Asn His Phe Leu Cys Asp Ile Pro Pro Ile Leu Lys
180      185      190
Leu Ala Cys Gly Asp Thr Ser Ile Asn Glu Leu Ser Val Tyr Leu Val
195      200      205
Ala Ile Leu Phe Ala Ala Val Pro Phe Met Leu Ile Leu Ala Ser Tyr
210      215      220
Gly Lys Ile Ile Ala Thr Ile Leu Lys Leu Pro Thr Ala Thr Gly Arg
225      230      235      240
Ala Lys Ala Phe Ser Thr Cys Ser Ser His Leu Leu Val Val Phe Leu
245      250      255
Phe Phe Gly Ser Ala Thr Ile Thr Tyr Leu Arg Pro Lys Ser Thr His
260      265      270
Ser Pro Gly Thr Asp Lys Leu Phe Ser Leu Phe Tyr Ser Ile Val Thr
275      280      285
Pro Met Leu Asn Pro Leu Ile Tyr Ser Leu Arg Asn Lys Glu Val Ile
290      295      300
Ala Ala Leu Arg Lys Leu Leu Arg Ile Lys
305      310
```

<210> 1594

<211> 314

<212> PRT

<213> Mus musculus

<400> 1594

```
Met Lys Phe Thr Glu Ile Arg Ala Glu Asp Asn Ala Ser Thr Gly Thr
 1      5      10      15
Glu Phe Leu Leu Gly Phe Ser Asp Leu Pro Asn Leu Gln Glu Ile
 20      25      30
Leu Phe Gly Leu Phe Ser Ile Ile Tyr Leu Ile Ile Leu Ile Gly Asn
 35      40      45
Ser Phe Ile Ile Val Ile Thr Arg Ile Asp Pro Ala Leu Gln Lys Pro
```

50	55	60
Met Tyr Phe Phe Leu Ala Asn Phe Ser Ser Leu Glu Ile Cys Tyr Val		
65	70	75
Ser Val Thr Leu Pro Arg Ile Leu Phe Asn Ile Ala Thr Gln Asp Arg		80
	85	90
Ser Ile Ser Val Val Ser Cys Ala Thr Gln Met Cys Phe Phe Leu Met		95
	100	105
Leu Gly Ala Thr Glu Cys Phe Leu Leu Ala Val Met Ser Tyr Asp Arg		110
	115	120
Tyr Val Ala Ile Cys Asn Pro Leu His Tyr Pro Leu Val Met Asn Pro		125
	130	135
Thr Lys Cys Thr Gln Leu Ala Ala Ala Ser Trp Leu Gly Gly Ile Pro		140
145	150	155
Val Gln Ile Gly Gln Thr Cys Gln Ile Phe Ser Leu His Phe Cys Asn		160
	165	170
Ser Asn Gln Ile Asp His Phe Phe Cys Asp Leu Pro Pro Ile Leu Lys		175
	180	185
Leu Ala Cys Gly Asp Thr Ser Ile His Glu Leu Ser Val Tyr Leu Val		190
	195	200
Ala Met Leu Phe Val Ala Phe Pro Phe Leu Leu Ile Leu Ala Ser Tyr		205
	210	215
Thr Lys Ile Ile Ala Thr Ile Leu Lys Leu Pro Thr Ala Thr Gly Arg		220
225	230	235
Ala Lys Ala Phe Ser Thr Cys Ser Ser His Leu Leu Val Val Phe Leu		240
	245	250
Phe Phe Gly Ser Ala Thr Ile Thr Tyr Leu Arg Pro Lys Ser Thr His		255
	260	265
Ser Pro Gly Thr Asp Lys Leu Leu Ser Leu Phe Tyr Thr Ile Val Thr		270
	275	280
Pro Met Phe Asn Pro Leu Ile Tyr Ser Leu Arg Asn Lys Glu Val Ile		285
	290	295
Ala Ala Leu Arg Lys Leu Leu His Ile Lys		300
305	310	

<210> 1595

<211> 308

<212> PRT

<213> Mus musculus

<400> 1595

Met Glu Lys Lys Asn Cys Ser Ser Val Asp Glu Phe Ile Phe Leu Gly	
1	5
Ile Thr Lys Asn Pro Asp Met Arg Val Thr Phe Phe Thr Thr Leu Leu	
	10
	15
Leu Val Tyr Leu Ile Asn Leu Leu Ala Asn Leu Gly Met Ile Ile Leu	
	20
	25
	30
Ile Arg Val Asn Thr Gln Leu His Thr Pro Met Tyr Phe Phe Leu Ser	
	35
	40
	45
His Leu Ser Phe Cys Asp Leu Cys Tyr Ser Thr Ala Ile Gly Pro Lys	
65	70
Met Leu Val Asp Leu Leu Val Glu Glu Lys Ser Ile Pro Ile Val Gly	
	75
	80
	85
	90
Cys Ala Leu Gln Phe Phe Thr Phe Cys Ile Phe Ala Asp Ser Glu Cys	
	95
	100
	105
Leu Leu Leu Ala Val Met Ala Tyr Asp Arg Tyr Gln Ala Ile Ser Asn	
	110
	115
	120
	125
Pro Leu Leu Tyr Thr Val Asn Met Ser Ser Arg Leu Cys Ser Leu Leu	
	130
	135
	140

Met	Ala	Gly	Val	Tyr	Leu	Val	Gly	Thr	Ala	Asp	Ala	Leu	Ile	His	Thr
145					150					155					160
Thr	Leu	Thr	Phe	Arg	Leu	Cys	Phe	Cys	Gly	Ser	Asn	Glu	Ile	Asn	His
				165					170						175
Phe	Phe	Cys	Asp	Val	Pro	Pro	Leu	Leu	Leu	Ile	Ser	Cys	Ser	Asp	Thr
			180					185						190	
Glu	Val	Asn	Glu	Leu	Ala	Ile	Phe	Thr	Ile	Phe	Gly	Phe	Ile	Glu	Leu
		195					200					205			
Ser	Thr	Ile	Ser	Gly	Val	Leu	Val	Ser	Tyr	Cys	Tyr	Ile	Ile	Ser	Ser
	210					215					220				
Val	Leu	Lys	Ile	Gly	Ser	Ala	Glu	Gly	Arg	Phe	Lys	Ala	Phe	Ser	Thr
225					230					235					240
Cys	Ala	Ser	His	Leu	Thr	Ala	Val	Ala	Val	Phe	Gln	Gly	Thr	Met	Leu
				245					250						255
Phe	Met	Tyr	Phe	Arg	Pro	Ser	Ser	Ala	Tyr	Ser	Leu	Asp	Gln	Asp	Lys
			260					265					270		
Met	Thr	Ser	Leu	Phe	Tyr	Thr	Leu	Val	Ile	Pro	Met	Leu	Asn	Pro	Leu
		275					280					285			
Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Val	Lys	Glu	Ala	Val	Val	Lys	Leu
	290					295					300				
Lys	Asn	Lys	Trp												
305															

<210> 1596

<211> 314

<212> PRT

<213> Mus musculus

<400> 1596

Met	Glu	Asn	Ser	Thr	Ser	Val	Asp	Glu	Phe	Leu	Leu	Leu	Gly	Leu	Thr
1				5					10					15	
Ser	Val	Gln	Lys	Leu	Gln	Pro	Ile	Ile	Phe	Val	Met	Phe	Leu	Thr	Ile
			20					25					30		
Tyr	Leu	Leu	Asn	Leu	Val	Gly	Asn	Gly	Val	Ile	Leu	Met	Ile	Val	Thr
	35						40					45			
Leu	Glu	Arg	Arg	Leu	His	Ser	Pro	Met	Tyr	Phe	Phe	Leu	Gly	Asn	Leu
	50					55					60				
Ser	Cys	Leu	Asp	Ile	Cys	Tyr	Ser	Ser	Val	Thr	Leu	Pro	Lys	Val	Leu
65					70				75						80
Ile	Asn	Leu	Leu	Ser	Arg	Arg	Arg	Ala	Ile	Ser	Phe	Leu	Gly	Cys	Ile
				85					90					95	
Thr	Gln	Leu	Tyr	Phe	Phe	His	Phe	Leu	Gly	Ser	Thr	Glu	Ala	Ile	Leu
			100					105					110		
Leu	Ala	Val	Met	Ala	Phe	Asp	Arg	Phe	Val	Ala	Ile	Cys	Ser	Pro	Leu
		115					120					125			
Arg	Tyr	Thr	Ala	Ile	Met	Asn	Pro	Gln	Leu	Cys	Ile	Leu	Leu	Ala	Ala
	130					135					140				
Thr	Ala	Trp	Phe	Thr	Ser	Phe	Phe	Tyr	Ala	Leu	Leu	His	Ser	Val	Met
145					150					155					160
Thr	Ala	His	Leu	Asn	Phe	Cys	His	Ser	His	Lys	Leu	Ser	His	Phe	Phe
				165					170					175	
Cys	Asp	Val	Lys	Pro	Leu	Leu	Glu	Val	Ala	Cys	Gly	Asn	Thr	Val	Leu
			180					185					190		
Asn	Gln	Trp	Leu	Leu	Ser	Val	Val	Thr	Gly	Ser	Ile	Ser	Met	Gly	Ala
		195					200					205			
Phe	Leu	Leu	Ile	Leu	Leu	Ser	Tyr	Phe	Tyr	Ile	Ile	Ala	Phe	Leu	Leu
	210					215					220				
Phe	Lys	Asn	Arg	Ser	Cys	Arg	Met	Leu	Lys	Lys	Ala	Leu	Ser	Thr	Cys

<210> 1598
 <211> 313
 <212> PRT
 <213> Mus musculus

<400> 1598
 Met Leu Asn Gln Thr Ser Val Thr Glu Phe Ile Leu Leu Gly Val Arg
 1 5 10 15
 Asp Ile Gln Glu Pro Gln Pro Phe Leu Phe Ala Ile Phe Phe Thr Ile
 20 25 30
 Tyr Phe Val Asn Ile Thr Gly Asn Gly Ala Ile Leu Met Ile Val Ile
 35 40 45
 Leu Asp Pro Arg Leu His Ser Pro Met Tyr Phe Phe Leu Gly Asn Leu
 50 55 60
 Ala Cys Leu Asp Ile Ser Tyr Ser Thr Val Thr Val Pro Lys Met Leu
 65 70 75 80
 Glu Asn Leu Leu Ser Thr Asn Lys Ala Ile Ser Leu Leu Gly Cys Ile
 85 90 95
 Thr Gln Leu His Phe Phe His Phe Leu Gly Thr Thr Glu Ser Leu Leu
 100 105 110
 Leu Ala Val Met Ala Phe Asp Arg Phe Val Ala Ile Cys Arg Pro Leu
 115 120 125
 His Tyr Ser Val Ile Met Asn Trp Gln Val Cys Ile Leu Met Ala Val
 130 135 140
 Thr Ile Trp Thr Ile Ala Phe Leu His Ala Leu Leu His Ser Val Met
 145 150 155 160
 Thr Ser Arg Leu Ser Phe Cys Gly Leu Asn His Ile His His Phe Phe
 165 170 175
 Cys Asp Val Lys Pro Leu Leu Glu Leu Ala Cys Gly Asn Thr Glu Leu
 180 185 190
 Asn Leu Trp Leu Leu Asn Thr Val Thr Gly Thr Ile Ala Ser Val Pro
 195 200 205
 Phe Phe Leu Thr Phe Leu Ser Tyr Phe Tyr Ile Ile Thr Tyr Leu Phe
 210 215 220
 Leu Lys Thr Arg Ser Cys Ser Met Leu His Lys Ala Leu Ser Thr Cys
 225 230 235 240
 Ala Ser His Phe Met Val Val Val Leu Phe Tyr Ala Pro Val Leu Phe
 245 250 255
 Thr Tyr Ile Arg Pro Thr Ser Gly Ser Ser Leu Asp Gln Asp Arg Ile
 260 265 270
 Ile Ala Ile Met Tyr Ser Val Val Thr Pro Ala Leu Asn Pro Leu Ile
 275 280 285
 Tyr Thr Leu Arg Asn Lys Glu Val Arg Ser Ala Leu Asn Arg Lys Val
 290 295 300
 Arg Arg Cys Leu Leu Leu Glu Glu Ile
 305 310

<210> 1599
 <211> 312
 <212> PRT
 <213> Mus musculus

<400> 1599
 Met Ala Leu Ile Asn Lys Ser His Pro Glu Glu Phe Ile Leu Leu Gly
 1 5 10 15
 Phe Ala Asp Arg Pro Trp Leu Glu Leu Pro Leu Phe Ile Ile Leu Leu

Val	Leu	Leu	Ala	Leu	Met	Ser	Phe	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Lys
	115						120					125			
Pro	Leu	His	Tyr	Thr	Leu	Ile	Met	Asn	Gln	Arg	Asn	Cys	Val	Leu	Leu
	130					135					140				
Val	Ser	Thr	Val	Trp	Leu	Thr	Gly	Ile	Phe	Tyr	Ala	Val	Ser	Glu	Ala
145					150					155					160
Thr	Val	Thr	Leu	Gln	Leu	Pro	Leu	Cys	Gly	His	Asn	Lys	Met	Asp	His
			165						170					175	
Leu	Val	Cys	Glu	Ile	Pro	Ile	Leu	Ile	Lys	Thr	Ala	Cys	Gly	Glu	Lys
			180					185					190		
Glu	Thr	Asn	Glu	Leu	Ala	Leu	Ser	Val	Val	Cys	Ile	Phe	Leu	Leu	Ala
		195					200					205			
Ile	Pro	Leu	Cys	Leu	Ile	Leu	Ala	Ser	Tyr	Ala	Ser	Ile	Gly	His	Ala
	210					215					220				
Val	Phe	Lys	Ile	Lys	Ser	Ser	Glu	Gly	Arg	Lys	Lys	Ala	Phe	Gly	Thr
225					230					235					240
Cys	Ser	Ser	His	Leu	Ile	Val	Val	Leu	Leu	Phe	Tyr	Gly	Pro	Ala	Ile
			245						250					255	
Ser	Met	Tyr	Leu	Gln	Pro	Pro	Ser	Ser	Ile	Thr	Lys	Asp	Gln	Pro	Lys
		260						265					270		
Phe	Met	Ala	Leu	Phe	Tyr	Gly	Val	Val	Thr	Pro	Thr	Leu	Asn	Pro	Phe
	275					280						285			
Ile	Tyr	Thr	Leu	Arg	Asn	Lys	Asp	Val	Lys	Gly	Ala	Leu	Gly	Lys	Leu
	290				295						300				
Phe	Arg	Asn	Ile	Phe	Ile	Ser	Lys								
305					310										

<210> 1601

<211> 314

<212> PRT

<213> Mus musculus

<400> 1601

Met	Asp	Asp	Met	Thr	Ser	Gly	Asn	Tyr	Cys	Thr	Val	Thr	Glu	Phe	Phe
1				5					10					15	
Leu	Ala	Gly	Leu	Ser	Glu	Lys	Pro	Glu	Leu	Gln	Leu	Pro	Leu	Phe	Phe
		20						25					30		
Leu	Phe	Ile	Gly	Ile	Tyr	Met	Ile	Thr	Val	Ala	Gly	Asn	Leu	Gly	Met
	35					40						45			
Ile	Ile	Leu	Ile	Gly	Leu	Ser	Ser	His	Leu	His	Thr	Pro	Met	Tyr	Tyr
	50				55					60					
Phe	Leu	Ser	Ser	Leu	Ser	Phe	Ile	Asp	Phe	Cys	Gln	Ser	Thr	Val	Val
65				70					75					80	
Thr	Pro	Lys	Met	Leu	Val	Asn	Phe	Val	Thr	Glu	Lys	Asn	Ile	Ile	Ser
			85						90				95		
Tyr	Pro	Gly	Cys	Met	Thr	Gln	Leu	Tyr	Phe	Phe	Leu	Ile	Phe	Ala	Ile
		100						105					110		
Ala	Glu	Cys	Tyr	Ile	Leu	Ala	Ala	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala
		115					120					125			
Ile	Cys	Asn	Pro	Leu	Leu	Tyr	Asn	Val	Thr	Met	Ser	Tyr	Gln	Ile	Tyr
	130					135					140				
Ile	Ser	Leu	Ile	Ser	Gly	Val	Tyr	Ile	Ile	Gly	Val	Ile	Cys	Ala	Ser
145					150					155					160
Ala	His	Thr	Gly	Phe	Met	Val	Arg	Ile	Arg	Phe	Cys	Lys	Leu	Asp	Val
			165						170					175	
Ile	Asn	His	Tyr	Phe	Cys	Asp	Leu	Leu	Pro	Leu	Leu	Lys	Leu	Ala	Cys
		180					185						190		
Ser	Asn	Thr	Tyr	Ile	Asn	Glu	Met	Leu	Ile	Leu	Phe	Phe	Gly	Thr	Leu

Asn	Ile	Phe	Val	Pro	Ile	Leu	Thr	Ile	Ile	Thr	Ser	Tyr	Ile	Phe	Ile
210						215					220				
Ile	Ala	Ser	Ile	Leu	Arg	Ile	Arg	Ser	Thr	Glu	Gly	Arg	Ser	Lys	Ala
225					230					235					240
Phe	Ser	Thr	Cys	Ser	Ser	His	Ile	Leu	Ala	Val	Ala	Val	Phe	Phe	Gly
				245						250					255
Ser	Leu	Ala	Phe	Met	Tyr	Leu	Gln	Pro	Ser	Ser	Val	Ser	Ser	Met	Asp
			260					265						270	
Gln	Gly	Lys	Val	Ser	Ser	Val	Phe	Tyr	Thr	Ile	Val	Val	Pro	Met	Leu
		275					280						285		
Asn	Pro	Leu	Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Val	Ala	Val	Ala	Leu
290						295					300				
Lys	Lys	Ile	Ile	Glu	Arg	Lys	Thr	Phe	Met						
305					310										

<210> 1602

<211> 305

<212> PRT

<213> Mus musculus

<400> 1602

Met	Ala	Ala	Gly	Asn	Arg	Cys	Thr	Val	Thr	Glu	Phe	Phe	Leu	Val	Gly
1				5					10					15	
Leu	Ser	Glu	Lys	Ser	Glu	Leu	Gln	Leu	Pro	Leu	Phe	Leu	Leu	Phe	Thr
			20					25					30		
Gly	Ile	Tyr	Leu	Ile	Thr	Val	Ala	Gly	Asn	Leu	Gly	Met	Ile	Thr	Leu
		35				40					45				
Ile	Gly	Leu	Ser	Ser	His	Leu	His	Thr	Pro	Met	Tyr	Tyr	Phe	Leu	Ser
50						55					60				
Ser	Leu	Ser	Phe	Ile	Asp	Phe	Cys	Gln	Ser	Thr	Val	Val	Ile	Pro	Lys
65					70					75					80
Met	Leu	Met	Ser	Phe	Leu	Thr	Glu	Lys	Asn	Ile	Ile	Ser	Tyr	Ser	Gly
				85					90					95	
Cys	Met	Ala	Gln	Leu	Tyr	Phe	Phe	Leu	Ile	Phe	Gly	Ile	Ala	Glu	Cys
			100					105					110		
Tyr	Thr	Leu	Ala	Ala	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Asn
		115					120					125			
Pro	Leu	Leu	Tyr	Asn	Val	Thr	Met	Ser	Tyr	Gln	Ile	Tyr	Ser	Ser	Leu
		130				135					140				
Ile	Ser	Gly	Ile	Tyr	Ile	Phe	Ala	Val	Phe	Cys	Ser	Ser	Leu	Asn	Thr
145					150					155					160
Gly	Phe	Met	Leu	Arg	Thr	Gln	Phe	Cys	Asn	Leu	Asp	Val	Ile	Asn	His
				165					170					175	
Tyr	Phe	Cys	Asp	Leu	Leu	Pro	Leu	Leu	Asn	Leu	Ala	Ser	Ser	Asn	Thr
			180					185					190		
Phe	Ile	Ile	Glu	Ile	Leu	Ile	Leu	Val	Ile	Ala	Thr	Leu	Asn	Val	Phe
		195					200					205			
Ile	Pro	Val	Leu	Thr	Ile	Ile	Thr	Ser	Tyr	Ile	Phe	Ile	Ile	Ala	Thr
	210					215					220				
Ile	Leu	Cys	Ile	His	Ser	Arg	Glu	Gly	Lys	Phe	Lys	Ala	Phe	Ser	Thr
225					230					235					240
Cys	Ser	Ser	His	Ile	Ser	Ala	Val	Ala	Ile	Phe	Tyr	Gly	Ser	Gly	Ala
			245						250					255	
Phe	Thr	Tyr	Leu	Gln	Pro	Ser	Ser	Leu	Asn	Ser	Met	Gly	Gln	Ala	Lys
			260					265					270		
Val	Ser	Ser	Val	Phe	Tyr	Thr	Thr	Val	Val	Pro	Met	Leu	Asn	Pro	Leu
		275					280					285			

Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Gly	Cys	Gln	Tyr	Phe	Ile	Glu	Glu	Asn
	290					295					300				
Thr															
305															

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1				5					10					15	
Tyr	Thr	Ala	Gly	Leu	Glu	Arg	Met	Leu	Phe	Val	Leu	Phe	Leu	Ser	Phe
			20					25					30		
Tyr	Leu	Leu	Thr	Leu	Pro	Gly	Asn	Leu	Leu	Ile	Leu	Met	Ala	Ile	Leu
		35					40					45			
Thr	Ser	Ala	Ser	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Gly	Asn	Leu
		50				55					60				
Ser	Val	Leu	Asp	Ile	Phe	Phe	Pro	Ser	Val	Ser	Ser	Pro	Lys	Met	Met
65					70					75					80
Leu	Ser	Leu	Thr	Gly	His	Ser	His	Thr	Ile	Ser	Tyr	Gln	Gly	Cys	Ala
				85					90					95	
Ser	Gln	Leu	Phe	Phe	Tyr	His	Phe	Leu	Gly	Cys	Ala	Glu	Cys	Phe	Leu
			100					105					110		
Tyr	Thr	Val	Met	Ala	Tyr	Asp	Arg	Phe	Ala	Ala	Ile	Cys	His	Pro	Leu
		115					120					125			
Arg	Tyr	Thr	Val	Ile	Met	Ser	Ser	Trp	Val	Cys	Gly	Ser	Met	Ala	Val
	130					135					140				
Ala	Thr	Trp	Met	Gly	Ser	Cys	Leu	His	Ala	Ser	Val	Leu	Thr	Phe	Leu
145					150					155					160
Ile	Phe	Lys	Leu	Pro	Tyr	Cys	Gly	Pro	Asn	Glu	Val	Asp	Asn	Phe	Phe
				165					170					175	
Cys	Asp	Ile	Pro	Val	Val	Leu	Pro	Leu	Ala	Cys	Ala	Asp	Thr	Ser	Leu
			180					185					190		
Ala	Gln	Ala	Val	Ser	Phe	Ile	Asn	Val	Gly	Leu	Val	Ala	Leu	Val	Cys
		195					200					205			
Phe	Leu	Leu	Ile	Leu	Ile	Ser	Tyr	Ser	Arg	Ile	Val	Ile	Ser	Ile	Leu
	210					215					220				
Lys	Ile	Arg	Ser	Ser	Glu	Gly	Arg	Arg	Arg	Ala	Phe	Ser	Thr	Cys	Ser
225					230					235					240
Ala	His	Leu	Thr	Ser	Ile	Leu	Leu	Phe	Tyr	Gly	Pro	Val	Val	Leu	Ile
				245					250					255	
Tyr	Leu	Arg	Pro	Ala	Ser	Ser	Pro	Trp	Leu	Asp	Ser	Val	Val	Gln	Val
			260					265					270		
Leu	Asn	Asn	Ile	Val	Thr	Pro	Ser	Leu	Asn	Pro	Leu	Ile	Tyr	Ser	Leu
		275					280					285			
Arg	Asn	Lys	Glu	Val	Lys	Val	Ala	Leu	Arg	Lys	Ala	Leu	Thr	Gln	Gly
	290					295					300				
Met	Arg	Val	Pro	Gly	Glu										
305					310										

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<400> 1604

Met	Thr	Pro	Gly	Met	Val	Ser	Glu	Asn	Asn	Ser	Ser	Val	Lys	Glu	Phe
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Ile	Leu	Leu	Gly	Leu	Thr	Gln	Leu	Pro	Glu	Leu	Gln	Leu	Pro	Leu	Phe
			20					25					30		
Phe	Leu	Phe	Leu	Gly	Ile	Tyr	Val	Phe	Ser	Met	Val	Gly	Asn	Leu	Gly
		35					40					45			
Leu	Ile	Val	Leu	Ile	Val	Leu	Asn	Pro	Pro	Leu	His	Thr	Pro	Met	Tyr
	50					55					60				
Tyr	Phe	Leu	Phe	Asn	Leu	Ser	Phe	Thr	Asp	Leu	Cys	Tyr	Ser	Ser	Val
65					70					75					80
Ile	Thr	Pro	Lys	Met	Leu	Val	Gly	Phe	Val	Lys	Gln	Asn	Ile	Ile	Ser
				85					90					95	
His	Ala	Glu	Cys	Met	Thr	Gln	Leu	Phe	Phe	Ala	Phe	Phe	Val	Ile	
			100					105					110		
Asp	Glu	Cys	Cys	Ile	Leu	Thr	Ala	Met	Ala	Tyr	Asp	Arg	Tyr	Ala	Ala
		115					120					125			
Ile	Cys	Lys	Pro	Leu	Leu	Tyr	Lys	Val	Ile	Met	Ser	His	Gln	Val	Cys
	130					135					140				
Phe	Val	Leu	Met	Val	Gly	Gly	Tyr	Thr	Val	Gly	Phe	Val	Gly	Ala	Thr
145					150					155					160
Ala	His	Thr	Val	Cys	Met	Leu	Arg	Leu	Thr	Phe	Cys	Asp	Gly	Asn	Ile
				165					170					175	
Ile	Asn	His	Tyr	Met	Cys	Asp	Ile	Pro	Pro	Leu	Leu	Lys	Leu	Ser	Cys
			180					185					190		
Thr	Ser	Thr	Ser	Ile	Asn	Glu	Leu	Val	Val	Phe	Ile	Val	Val	Gly	Val
		195					200						205		
Ser	Ile	Ile	Val	Pro	Ser	Leu	Thr	Val	Phe	Ile	Ser	Tyr	Thr	Leu	Ile
	210					215					220				
Leu	Ser	Asn	Ile	Leu	Arg	Ile	His	Ser	Ala	Lys	Gly	Arg	Ser	Lys	Ala
225					230					235					240
Leu	Ser	Thr	Cys	Ser	Ser	His	Met	Ile	Ala	Val	Ser	Leu	Phe	Phe	Gly
				245					250					255	
Ser	Ser	Ser	Phe	Ile	Tyr	Phe	Lys	Ser	Ser	Pro	Val	Gly	Ser	Val	Asp
			260					265					270		
Lys	Asp	Lys	Ile	Ser	Thr	Val	Phe	Tyr	Thr	Val	Val	Val	Pro	Met	Met
	275						280					285			
Asn	Pro	Phe	Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Val	Gln	Ile	Ala	Leu
	290					295					300				
Arg	Lys	Thr	Leu	Lys	Lys	Asn	Cys	Ser	Leu	Lys					
305					310					315					

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<211> 311

<212> PRT

<213> Mus musculus

<400> 1605

Met	Leu	Lys	Gly	Asn	Leu	Ser	Glu	Val	Thr	Glu	Phe	Ile	Leu	Ala	Gly
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Leu	Thr	Asn	Lys	Pro	Glu	Leu	Gln	Leu	Pro	Leu	Phe	Phe	Leu	Phe	Leu
			20					25					30		
Ala	Ile	Tyr	Val	Val	Thr	Val	Val	Gly	Asn	Leu	Gly	Met	Ile	Thr	Leu
		35					40					45			
Ile	Leu	Phe	Ser	Ser	Gln	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Ser
	50					55					60				
Ser	Leu	Ser	Phe	Ile	Asp	Leu	Cys	Gln	Ser	Thr	Val	Ile	Ile	Pro	Lys
65					70					75					80

Met	Leu	Val	Asn	Phe	Val	Thr	Val	Lys	Asn	Ile	Ile	Ser	Tyr	Pro	Glu
			85						90					95	
Cys	Met	Thr	Gln	Leu	Tyr	Phe	Phe	Val	Thr	Phe	Ala	Ile	Ala	Glu	Cys
			100					105					110		
His	Met	Leu	Ala	Val	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Gly	Asn
		115					120					125			
Pro	Leu	Leu	Tyr	Asn	Ile	Met	Met	Ser	Tyr	Arg	Val	Cys	Ser	Trp	Met
	130					135					140				
Ile	Phe	Gly	Val	Tyr	Ile	Met	Ala	Phe	Ile	Gly	Ala	Thr	Ser	His	Thr
145					150					155					160
Val	Cys	Met	Leu	Arg	Val	His	Phe	Cys	Lys	Thr	Asp	Val	Ile	Asn	His
				165					170					175	
Tyr	Phe	Cys	Asp	Ile	Tyr	Pro	Leu	Leu	Glu	Leu	Ser	Cys	Ser	Asp	Thr
			180					185					190		
Phe	Ile	Asn	Glu	Val	Val	Leu	Leu	Cys	Phe	Ser	Val	Phe	Asn	Phe	Leu
		195					200					205			
Ile	Pro	Thr	Leu	Thr	Ile	Leu	Ser	Ser	Tyr	Ile	Phe	Ile	Ile	Ala	Ser
	210					215					220				
Ile	Leu	Arg	Ile	Lys	Ser	Thr	Glu	Gly	Arg	Tyr	Lys	Ala	Phe	Ser	Thr
225					230					235					240
Cys	Ser	Ser	His	Ile	Ser	Ala	Val	Ala	Ile	Phe	Phe	Gly	Ser	Thr	Ala
				245					250					255	
Phe	Met	Tyr	Leu	Gln	Pro	Ser	Ser	Val	Asn	Ser	Met	Asp	Gln	Gly	Lys
			260					265					270		
Val	Ser	Ser	Val	Phe	Tyr	Ser	Ile	Val	Val	Pro	Met	Leu	Asn	Pro	Leu
		275					280					285			
Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Val	Lys	Val	Ala	Leu	Asn	Lys	Phe
	290					295					300				
Phe	Glu	Arg	Lys	Phe	Phe	Leu									
305					310										

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<212> PRT

<213> Mus musculus

<400> 1606

Met	Gly	Lys	Glu	Asn	His	Thr	Glu	Leu	Ser	Gln	Phe	Leu	Leu	Leu	Gly
1				5					10					15	
Leu	Ser	Asp	Asp	Pro	Lys	Leu	Gln	Pro	Ile	Leu	Phe	Gly	Ile	Phe	Leu
			20					25					30		
Phe	Met	Tyr	Leu	Val	Thr	Val	Leu	Gly	Asn	Leu	Leu	Ile	Ile	Leu	Ala
		35					40					45			
Val	Ser	Ser	Asp	Ser	His	Leu	His	Asn	Pro	Met	Tyr	Phe	Phe	Leu	Ser
	50					55					60				
Asn	Leu	Ser	Phe	Val	Asp	Met	Cys	Phe	Thr	Ser	Thr	Thr	Val	Pro	Lys
65					70					75					80
Met	Leu	Val	Asn	Ile	Gln	Thr	Lys	Asn	Lys	Asn	Ile	Ser	Tyr	Met	Gln
			85						90					95	
Cys	Leu	Thr	Gln	Val	Tyr	Phe	Phe	Met	Val	Phe	Ala	Gly	Met	Asp	Asn
			100					105					110		
Phe	Leu	Leu	Thr	Val	Met	Ala	Phe	Asp	Arg	Phe	Val	Ala	Ile	Cys	His
		115					120					125			
Pro	Leu	Asn	Tyr	Thr	Val	Ile	Met	Asn	Pro	His	Phe	Cys	Cys	Phe	Leu
	130					135					140				
Val	Leu	Met	Cys	Trp	Ile	Ile	Ile	Leu	Ser	Val	Ser	Leu	Phe	His	Ser
145					150					155					160
Leu	Leu	Met	Lys	Gln	Leu	Thr	Phe	Ser	Met	Gly	Thr	Glu	Ile	Pro	His

Ser	Met	Tyr	Ala	Lys	Pro	Lys	Ser	Gln	Asp	Leu	Thr	Gly	Gln	Asp	Lys
			260					265					270		
Phe	Gln	Thr	Ser	Asp	Lys	Ile	Ile	Ser	Leu	Phe	Tyr	Gly	Val	Val	Thr
		275					280					285			
Pro	Met	Leu	Asn	Pro	Ile	Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Val	Lys
	290					295					300				
Ala	Ala	Val	Lys	Tyr	Ile	Leu	Lys	Gln	Lys	Tyr	Val	Pro			
305					310					315					

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<400> 1608

Met	Glu	Cys	Lys	Arg	Asn	Ile	Ser	Glu	Phe	Leu	Leu	Met	Gly	Leu	Ser
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Ser	Lys	Arg	Asn	Ile	Glu	Val	Phe	Cys	Phe	Leu	Phe	Phe	Ser	Phe	Cys
			20					25					30		
Tyr	Leu	Ala	Ile	Leu	Cys	Gly	Asn	Leu	Leu	Ile	Leu	Ile	Ser	Ile	Arg
		35				40						45			
Cys	Ser	Ser	Leu	Phe	Asn	Gln	Pro	Met	Tyr	Tyr	Phe	Leu	Ser	His	Leu
	50					55					60				
Ser	Ser	Met	Asp	Ile	Phe	Tyr	Thr	Ser	Cys	Val	Thr	Pro	Lys	Leu	Ile
65					70					75					80
Gly	Asp	Leu	Leu	Val	Arg	Arg	Lys	Thr	Ile	Ser	Tyr	Thr	Asn	Cys	Met
				85					90					95	
Leu	Gln	Val	Phe	Ala	Met	His	Phe	Phe	Gly	Met	Ile	Glu	Ile	Leu	Ile
			100					105					110		
Leu	Thr	Ala	Met	Ala	Phe	Asp	Arg	Cys	Val	Ala	Ile	Cys	Lys	Pro	Leu
		115					120					125			
His	Tyr	Met	Val	Ile	Met	Ser	Arg	Ser	Arg	Cys	His	Ile	Leu	Ile	Trp
	130					135					140				
Ala	Ser	Trp	Val	Gly	Gly	Ala	Ala	His	Ser	Leu	Ser	Gln	Phe	Cys	Leu
145					150					155					160
Leu	Ile	Cys	Leu	Pro	Phe	Cys	Gly	Pro	Asn	Glu	Ile	Asp	His	Tyr	Tyr
				165					170					175	
Cys	Asp	Ile	Phe	Pro	Leu	Leu	Lys	Val	Ala	Cys	Thr	Asp	Thr	Thr	Ile
			180					185					190		
Thr	Gly	Val	Leu	Val	Val	Ala	Asn	Ser	Gly	Leu	Ile	Ala	Leu	Val	Thr
		195					200					205			
Phe	Val	Val	Leu	Phe	Gly	Ser	Tyr	Val	Val	Ile	Leu	Phe	Thr	Leu	Arg
	210					215					220				
Asn	Tyr	Ser	Ala	Glu	Gly	Arg	His	Lys	Ala	Leu	Ser	Thr	Cys	Ala	Ser
225					230					235					240
His	Ile	Thr	Val	Val	Ile	Leu	Phe	Phe	Gly	Pro	Ser	Ile	Phe	Ala	Tyr
				245					250					255	
Leu	Arg	Pro	Pro	Thr	Thr	Phe	Pro	Glu	Asp	Lys	Ile	Phe	Ala	Leu	Phe
			260					265					270		
Tyr	Thr	Ile	Ile	Ala	Pro	Met	Phe	Asn	Pro	Leu	Ile	Tyr	Thr	Leu	Arg
		275					280					285			
Asn	Thr	Glu	Met	Lys	Lys	Ala	Met	Lys	Lys	Val	Trp	Cys	Gln	Asn	Met
	290					295					300				
Phe	Ser	Glu	Glu	Lys	His	Ser									
305					310										

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<211> 314
 <212> PRT
 <213> Mus musculus

<400> 1609

Met	Leu	Gly	Leu	Asn	Gly	Thr	Pro	Phe	Gln	Pro	Ala	Thr	Leu	Gln	Leu
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Thr	Gly	Ile	Pro	Gly	Met	Asn	Ile	Gly	Gln	Ala	Trp	Ile	Ala	Leu	Ile
			20					25					30		
Phe	Cys	Phe	Leu	Tyr	Phe	Ile	Ser	Ile	Ala	Gly	Asn	Leu	Ser	Ile	Leu
		35					40					45			
Ala	Leu	Val	Ile	Arg	Glu	Pro	Leu	His	Gln	Pro	Met	Tyr	Tyr	Phe	
	50					55				60					
Leu	Ser	Met	Leu	Ser	Leu	Asn	Asp	Leu	Gly	Val	Ser	Leu	Ser	Thr	Leu
65					70					75					80
Pro	Thr	Val	Leu	Ala	Thr	Phe	Cys	Phe	Asn	Tyr	Arg	His	Val	Asp	Phe
				85					90					95	
Asp	Ala	Cys	Leu	Val	Gln	Met	Phe	Phe	Ile	His	Thr	Phe	Ser	Phe	Met
			100					105					110		
Glu	Ser	Gly	Ile	Leu	Leu	Ala	Met	Ser	Phe	Asp	Arg	Phe	Val	Ala	Ile
		115					120					125			
Cys	Asp	Pro	Leu	Arg	Tyr	Ser	Thr	Val	Leu	Thr	Asn	Ser	Arg	Ile	Leu
	130					135					140				
Ala	Met	Gly	Leu	Gly	Ile	Leu	Ala	Lys	Ser	Phe	Thr	Thr	Leu	Phe	Pro
145					150					155					160
Phe	Pro	Phe	Leu	Val	Lys	Arg	Leu	Pro	Phe	Cys	Lys	Gly	Asn	Val	Leu
				165					170					175	
His	His	Ser	Tyr	Cys	Leu	His	Pro	Asp	Leu	Met	Lys	Val	Ala	Cys	Gly
			180					185					190		
Asp	Ile	His	Val	Asn	Asn	Ile	Tyr	Gly	Leu	Phe	Val	Val	Ile	Phe	Thr
		195					200						205		
Tyr	Gly	Val	Asp	Ser	Val	Phe	Ile	Leu	Leu	Ser	Tyr	Ala	Leu	Ile	Leu
	210					215					220				
Arg	Ala	Val	Leu	Val	Ile	Ala	Ser	His	Glu	Gln	Arg	Leu	Lys	Ala	Leu
225					230					235					240
Asn	Thr	Cys	Ile	Ser	His	Ile	Cys	Ala	Val	Leu	Ala	Phe	Tyr	Val	Pro
				245					250					255	
Ile	Ile	Ala	Val	Ser	Met	Ile	His	Arg	Phe	Trp	Lys	Ser	Ala	Pro	Ala
			260					265					270		
Val	Val	His	Val	Met	Met	Ser	Asn	Val	Tyr	Leu	Phe	Val	Pro	Pro	Met
		275					280					285			
Leu	Asn	Pro	Ile	Ile	Tyr	Ser	Val	Lys	Thr	Lys	Glu	Ile	Arg	Lys	Gly
	290					295					300				
Met	Leu	Lys	Val	Phe	His	Lys	Ser	Gln	Thr						
305					310										

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 <212> PRT
 <213> Mus musculus

<400> 1610

Met	Ala	Gly	Asn	Ala	Thr	His	His	Ile	Ala	Ser	Phe	Phe	Leu	Val	Gly
1				5					10					15	
Ile	Pro	Gly	Leu	Glu	Asn	Phe	His	Cys	Trp	Ile	Gly	Ile	Pro	Val	Cys
			20					25					30		
Leu	Leu	Phe	Ala	Leu	Thr	Leu	Leu	Gly	Asn	Ser	Ile	Ile	Leu	Thr	Thr
		35					40					45			

Val	Lys	Leu	Glu	Pro	Ser	Leu	His	Gln	Pro	Met	Tyr	Phe	Phe	Leu	Cys
50						55					60				
Met	Leu	Ala	Met	Asn	Asp	Met	Cys	Leu	Thr	Cys	Ser	Thr	Ala	Leu	Lys
65				70						75					80
Met	Leu	Gly	Ile	Phe	Trp	Phe	Asp	Glu	His	Trp	Ile	Asn	Phe	Asp	Ala
				85					90					95	
Cys	Leu	Thr	Gln	Met	Phe	Phe	Ile	His	Thr	Leu	Cys	Ile	Met	Glu	Ser
			100					105					110		
Ala	Ile	Leu	Val	Ala	Met	Ala	Phe	Asp	Arg	Phe	Val	Ala	Ile	Cys	Ile
			115				120					125			
Pro	Leu	His	Tyr	Thr	Ser	Ile	Leu	Thr	Met	Pro	Met	Val	Ile	Lys	Ile
						135					140				
Gly	Leu	Val	Gly	Leu	Gly	Arg	Ala	Ile	Leu	Met	Ile	Met	Pro	Cys	Pro
145					150					155					160
Leu	Leu	Ile	Lys	Arg	Leu	Leu	Tyr	Tyr	Thr	Lys	Tyr	Val	Ile	His	His
				165					170					175	
Ala	Tyr	Cys	Glu	His	Met	Ala	Val	Val	Lys	Met	Ala	Ser	Gly	Asn	Thr
			180					185					190		
Gln	Val	Asn	Arg	Ile	Tyr	Gly	Ile	Leu	Val	Ala	Leu	Ser	Val	Thr	Ile
		195					200					205			
Phe	Asp	Leu	Gly	Leu	Ile	Val	Thr	Ser	Tyr	Ile	Lys	Ile	Leu	Gln	Ala
	210					215					220				
Val	Phe	Arg	Leu	Ser	Ser	Gln	Asn	Ala	Arg	Ser	Lys	Ala	Leu	Gly	Thr
225					230					235					240
Cys	Val	Ala	His	Val	Cys	Thr	Ile	Leu	Ala	Phe	Tyr	Thr	Pro	Ala	Leu
				245					250					255	
Phe	Ser	Phe	Leu	Thr	His	Arg	Phe	Gly	Lys	Asn	Val	Pro	Ala	Ser	Ile
			260					265					270		
His	Ile	Ile	Phe	Ala	Ile	Leu	Tyr	Leu	Leu	Val	Ser	Pro	Thr	Val	Asn
		275					280					285			
Pro	Leu	Val	Tyr	Gly	Ala	Lys	Thr	Lys	Gln	Ile	Arg	Asp	Arg	Val	Val
	290					295					300				
Ser	Leu	Leu	Phe	Ser	Gln	Lys	Gln	Lys	Phe						
305					310										

<210> 1611

<211> 308

<212> PRT

<213> Mus musculus

<400> 1611

Met	Leu	Ile	Phe	Asn	His	Ser	Ser	Phe	Met	Thr	Phe	Thr	Leu	Leu	Gly
1				5				10						15	
Val	Pro	Gly	Leu	Glu	Ser	Gln	His	Leu	Trp	Leu	Ser	Val	Pro	Phe	Thr
			20					25					30		
Ser	Met	Leu	Leu	Ala	Ile	Leu	Ile	Gly	Asn	Gly	Ala	Ile	Leu	Phe	Leu
		35					40					45			
Val	Ile	Thr	Glu	Pro	Thr	Leu	His	Thr	Pro	Met	Tyr	Leu	Leu	Leu	Ala
		50				55					60				
Leu	Leu	Met	Val	Ala	Asp	Leu	Ile	Ser	Thr	Leu	Ala	Leu	Val	Pro	Lys
65					70					75					80
Val	Leu	Cys	Leu	Phe	Trp	Phe	Asp	Asp	Arg	Val	Ile	Ala	Ile	Tyr	Ala
				85				90						95	
Cys	Phe	Thr	Gln	Met	Phe	Phe	Ile	His	Gly	Ala	Ser	Val	Val	Arg	Ser
			100					105					110		
Ala	Leu	Leu	Val	Ala	Met	Ala	Phe	Asp	Arg	Phe	Val	Ala	Val	Cys	Glu
			115				120					125			
Pro	Leu	Arg	Tyr	Asn	Thr	Ile	Leu	Ser	His	Ser	Leu	Val	Gly	Arg	Leu

130		135		140											
Gly	Leu	Val	Ala	Leu	Ala	Lys	Gly	Val	Ile	Leu	Ile	Leu	Pro	Met	Pro
145					150					155					160
Leu	Leu	Leu	Gln	Arg	Leu	Thr	Phe	Cys	His	Arg	Val	Ile	Pro	His	Thr
				165						170					175
Tyr	Cys	Asp	His	Met	Ala	Val	Val	Lys	Met	Ala	Cys	Ser	Asn	Thr	Arg
			180						185					190	
Pro	Asn	Arg	Ile	Tyr	Gly	Leu	Phe	Val	Ile	Leu	Leu	Val	Val	Gly	Leu
		195					200					205			
Asn	Leu	Leu	Leu	Ile	Gly	Phe	Ser	Tyr	Val	Phe	Ile	Leu	Gln	Ser	Val
	210				215						220				
Val	Arg	Leu	Asn	Ser	Arg	Asp	Ala	Thr	Phe	Lys	Ala	Leu	Asn	Thr	Cys
225					230					235					240
Ser	Ala	His	Leu	Phe	Val	Ile	Leu	Ile	Thr	Tyr	Val	Pro	Ala	Leu	Phe
			245						250					255	
Ser	Ser	Ile	Thr	His	Arg	Ile	Gly	His	His	Ile	Pro	Pro	His	Ala	His
		260					265						270		
Ile	Ile	Leu	Ala	Asn	Leu	Tyr	Leu	Leu	Ile	Pro	Ser	Val	Phe	Asn	Pro
	275					280						285			
Ile	Ile	Tyr	Gly	Ile	Lys	Met	Lys	Glu	Ile	Arg	Asp	Arg	Val	Ala	Lys
	290				295						300				
Cys	Leu	Cys	Arg												
305															

<210> 1612
 <211> 308
 <212> PRT
 <213> Mus musculus

<400> 1612

Met	Thr	Asn	Phe	Thr	His	Val	Ser	Glu	Phe	Ile	Leu	Leu	Gly	Phe	Lys
1				5					10					15	
Gly	Gly	Pro	Gly	Ile	Gln	Met	Leu	Leu	Phe	Leu	Ile	Phe	Leu	Phe	Leu
			20					25				30			
Tyr	Val	Ile	Ala	Val	Val	Gly	Asn	Phe	Gly	Met	Ile	Ile	Ile	Ile	Arg
		35				40					45				
Met	Asp	Ala	His	Leu	His	Thr	Pro	Met	Tyr	Ala	Phe	Leu	Gln	Ser	Leu
	50					55					60				
Ser	Phe	Leu	Asp	Ile	Cys	Tyr	Ser	Ser	Thr	Ile	Ala	Pro	Arg	Ala	Leu
65					70				75					80	
Ile	Asn	Cys	Met	Lys	Gln	Asp	His	Thr	Ile	Ser	Phe	Ser	Gly	Cys	Ala
			85					90					95		
Thr	Gln	Phe	Phe	Phe	Leu	Ser	Leu	Phe	Gly	Thr	Thr	Glu	Ala	Phe	Leu
			100					105					110		
Leu	Ala	Ala	Met	Ala	Tyr	Asp	Arg	Phe	Ile	Ala	Ile	Cys	Asn	Pro	Leu
		115					120					125			
Leu	Tyr	Ser	Val	Ser	Met	Ser	His	Trp	Val	Cys	Gly	Leu	Leu	Val	Ser
	130					135					140				
Gly	Ser	Tyr	Ser	Trp	Gly	Ala	Val	Asn	Ala	Val	Thr	Gln	Thr	Thr	Met
145					150				155						160
Thr	Phe	Thr	Leu	Thr	Phe	Cys	Gly	Ser	Asn	Glu	Ile	Asn	Asp	Phe	Phe
			165					170						175	
Cys	Asp	Val	Pro	Pro	Leu	Leu	Ser	Leu	Ser	Cys	Ser	Asp	Thr	Phe	Ile
		180						185					190		
Asn	Gln	Leu	Val	Leu	Leu	Ala	Leu	Cys	Gly	Ser	Ile	Ile	Val	Ser	Thr
		195					200					205			
Phe	Leu	Thr	Val	Phe	Val	Ser	Tyr	Ile	Tyr	Ile	Ile	Ser	Thr	Ile	Leu
	210					215					220				

Lys Ile Arg Thr Val Gln Gly Arg Gln Lys Ala Phe Ser Thr Cys Ala
 225 230 235 240
 Ser His Leu Ile Gly Val Cys Leu Phe Phe Gly Thr Val Phe Phe Met
 245 250 255
 Tyr Ala Gln Pro Ser Ala Val Ser Ser Met Glu Gln Ser Lys Val Val
 260 265 270
 Ser Ile Phe Tyr Thr Ile Val Ile Pro Met Leu Asn Pro Leu Ile Tyr
 275 280 285
 Ser Leu Arg Asn Lys Asp Val Lys Gln Ala Leu Lys Arg Ser Lys Gln
 290 295 300
 Arg Phe Cys Ser
 305

<210> 1613
 <211> 311
 <212> PRT
 <213> Mus musculus

<400> 1613
 Met Gln Asn Gln Ser Phe Val Thr Glu Phe Ile Ile Leu Gly Leu Ser
 1 5 10 15
 Gln Asn Pro Ile Val Glu Lys Ile Leu Phe Phe Val Leu Leu Val
 20 25 30
 Tyr Leu Ala Thr Ile Gly Gly Asn Ile Ile Ile Val Val Thr Ile Met
 35 40 45
 Tyr Ser Pro Ala Leu Leu Gly Ser Pro Met Tyr Phe Phe Leu Ala Phe
 50 55 60
 Leu Ser Phe Leu Asp Leu Cys Val Ser Ser Thr Val Thr Pro Lys Met
 65 70 75 80
 Ile Val Asp Phe Phe Tyr Glu Lys Lys Thr Ile Ser Phe Gly Cys Cys
 85 90 95
 Met Met Gln Leu Phe Ser Val His Phe Phe Ser Gly Thr Glu Met Ile
 100 105 110
 Val Leu Ala Ala Met Ala Tyr Asp Arg Tyr Val Ala Ile Cys Lys Pro
 115 120 125
 Leu His Tyr Phe Ser Ile Leu Thr Arg Arg Leu Cys Ser Ile Leu Val
 130 135 140
 Ala Ile Ser Trp Ala Gly Phe Leu His Ser Ile Ile Gln Val Ile
 145 150 155 160
 Phe Thr Leu Gln Leu Pro Leu Cys Gly Pro Asn Val Ile Asp His Tyr
 165 170 175
 Thr Cys Asp Leu Phe Pro Leu Leu Lys Leu Ala Cys Thr Asp Thr His
 180 185 190
 Ile Phe Val Leu Leu Val Phe Ala Asn Ser Gly Ala Ile Cys Ile Ile
 195 200 205
 Ile Phe Ser Leu Leu Leu Val Ser Tyr Gly Val Ile Leu Phe Ser Leu
 210 215 220
 Arg Ala His Ser Ser Glu Gly Arg Arg Lys Ala Leu Ser Thr Cys Gly
 225 230 235 240
 Ala His Val Thr Val Val Val Leu Phe Leu Val Pro Cys Ile Leu Ile
 245 250 255
 Tyr Ala Arg Asp Thr Ser Ala Phe Ser Phe Glu Lys His Thr Leu Leu
 260 265 270
 Phe Val Asn Val Leu Thr Pro Leu Leu Asn Pro Thr Val Tyr Thr Phe
 275 280 285
 Arg Asn Lys Glu Met Ile Asn Ala Ile Arg Lys Met Cys Lys Arg Leu
 290 295 300
 Lys Met Ile Phe Val Arg Phe

305

310

<210> 1614

<211> 320

<212> PRT

<213> Mus musculus

<400> 1614

Met	Glu	Glu	Val	Asn	Cys	Thr	Phe	Met	Ala	Glu	Phe	Ile	Leu	Leu	Gly
1				5				10					15		
Phe	Ser	Asp	Val	Pro	Glu	Leu	Ala	Ile	Phe	Leu	Phe	Leu	Val	Phe	Leu
		20					25					30			
Val	Ile	Tyr	Gly	Val	Thr	Val	Ile	Ala	Asn	Leu	Gly	Met	Thr	Val	Leu
	35					40					45				
Ile	Gln	Val	Ser	Ser	Gln	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Ser
	50				55					60					
His	Leu	Ser	Phe	Val	Asp	Phe	Cys	Tyr	Ala	Ser	Ile	Ile	Val	Pro	Lys
65				70					75					80	
Met	Phe	Thr	Asp	Ile	Ile	Asn	Gln	Asp	Gln	Val	Ile	Ser	Tyr	Leu	Glu
			85					90						95	
Cys	Met	Leu	Gln	Phe	Tyr	Leu	Phe	Cys	Thr	Phe	Ala	Ile	Thr	Glu	Val
		100					105					110			
Phe	Leu	Leu	Ala	Val	Met	Ala	Tyr	Asp	Arg	Phe	Val	Ala	Ile	Cys	Asn
	115					120					125				
Pro	Leu	Leu	Tyr	Thr	Val	Ile	Met	Ser	Pro	Lys	Leu	Arg	Leu	Val	Leu
	130				135					140					
Val	Ser	Cys	Cys	Tyr	Leu	Tyr	Ala	Ser	Val	Cys	Ser	Leu	Ile	His	Leu
145				150					155					160	
Cys	Leu	Ala	Leu	Glu	Ile	Thr	Ser	Phe	Lys	Ser	Asn	Val	Ile	Asn	His
			165					170						175	
Phe	Phe	Cys	Asp	Leu	Pro	Pro	Leu	Leu	Ser	Leu	Ala	Cys	Ser	Asp	Val
		180					185					190			
Ser	Thr	Asn	Glu	Phe	Phe	Leu	Phe	Ile	Ile	Val	Asn	Phe	Asn	Glu	Ile
	195					200					205				
Leu	Thr	Ile	Val	Ile	Ile	Phe	Thr	Ser	Tyr	Leu	Phe	Ile	Leu	Ile	Thr
	210				215					220					
Ile	Leu	Lys	Met	Arg	Ser	Ala	Glu	Gly	Arg	Arg	Lys	Ala	Phe	Ser	Thr
225				230					235					240	
Cys	Ala	Ser	His	Leu	Thr	Val	Ile	Met	Val	Phe	His	Gly	Thr	Ile	Leu
			245					250					255		
Phe	Ile	Tyr	Cys	Gln	Pro	Asn	Ser	Gly	Asn	Ser	Leu	Asp	Val	Asp	Lys
		260					265					270			
Val	Thr	Thr	Val	Phe	Tyr	Thr	Val	Ile	Ile	Pro	Met	Leu	Asn	Pro	Leu
	275					280					285				
Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Val	Lys	Glu	Ala	Leu	Arg	Lys	Met
	290				295					300					
Leu	Gly	Ser	Lys	Lys	Asn	Ser	Leu	Leu	Asp	Phe	Phe	Phe	Phe	Cys	Phe
305				310					315					320	

<210> 1615

<211> 318

<212> PRT

<213> Mus musculus

<400> 1615

Met	Ile	Leu	Ser	Glu	Lys	Asn	Asn	Ser	Gly	Ile	Ile	Phe	Thr	Leu	Leu
1				5				10						15	

Gly	Phe	Ser	Asp	Tyr	Pro	Asp	Leu	Lys	Val	Pro	Leu	Phe	Leu	Val	Phe	
			20					25					30			
Leu	Val	Ile	Tyr	Ser	Ile	Thr	Val	Val	Gly	Asn	Ile	Gly	Met	Ile	Leu	
		35					40					45				
Val	Ile	Arg	Ile	Asn	Pro	Gln	Leu	His	Ser	Pro	Met	Tyr	Phe	Phe	Leu	
	50					55					60					
Ser	His	Leu	Ser	Phe	Val	Asp	Phe	Cys	Tyr	Ser	Ser	Ile	Ile	Ala	Pro	
65					70					75					80	
Lys	Met	Leu	Val	Asn	Leu	Val	Ala	Lys	Asp	Ile	Thr	Ile	Ser	Phe	Val	
				85					90					95		
Glu	Cys	Ile	Val	Gln	Tyr	Phe	Leu	Phe	Cys	Val	Phe	Val	Val	Thr	Glu	
			100					105					110			
Ala	Phe	Leu	Leu	Val	Val	Met	Ala	Tyr	Asp	Arg	Phe	Val	Ala	Ile	Cys	
		115					120					125				
Asn	Pro	Leu	Leu	Tyr	Thr	Val	Ala	Met	Ser	Gln	Lys	Leu	Cys	Ile	Thr	
	130					135					140					
Leu	Val	Val	Gly	Ser	Tyr	Ala	Trp	Gly	Phe	Thr	Cys	Ser	Leu	Thr	Leu	
145					150					155					160	
Thr	Cys	Ser	Thr	Val	Gln	Leu	Ser	Phe	His	Gly	Val	Asn	Arg	Ile	Asp	
				165					170					175		
His	Phe	Phe	Cys	Glu	Leu	Ser	Ser	Leu	Leu	Ala	Leu	Ser	Ser	Ser	Asp	
			180					185					190			
Thr	Leu	Ile	Ser	Gln	Leu	Leu	Leu	Phe	Val	Phe	Ala	Thr	Phe	Asn	Ala	
		195					200					205				
Val	Ser	Thr	Leu	Leu	Leu	Ile	Leu	Leu	Ser	Tyr	Leu	Phe	Ile	Val	Val	
		210				215					220					
Thr	Val	Leu	Lys	Met	Arg	Ser	Ala	Ser	Gly	Arg	Arg	Lys	Ala	Phe	Ser	
225					230					235					240	
Thr	Cys	Ala	Ser	His	Leu	Ala	Ala	Ile	Thr	Ile	Phe	His	Gly	Thr	Ile	
				245					250					255		
Leu	Phe	Leu	Phe	Cys	Val	Pro	Asn	Ser	Lys	Asn	Ser	Arg	Leu	Thr	Val	
			260					265					270			
Lys	Val	Gly	Ser	Val	Phe	Tyr	Thr	Val	Val	Ile	Pro	Met	Leu	Asn	Pro	
		275					280				285					
Ile	Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Val	Gln	Asp	Thr	Ile	Arg	Lys	
		290				295					300					
Ile	Met	Thr	Leu	Ile	Ser	Cys	Val	Lys	Asn	Asp	Arg	His	Asn			
305					310					315						

<210> 1616

<211> 317

<212> PRT

<213> Mus musculus

<400> 1616

Met	Lys	Ile	Tyr	Arg	Arg	Met	Thr	His	Gly	Asn	Tyr	Ser	Leu	Val	Thr	
1				5					10					15		
Glu	Phe	Ile	Leu	Glu	Gly	Leu	Thr	Asn	Arg	Pro	Glu	Leu	Gln	Met	Pro	
			20					25					30			
Leu	Phe	Phe	Leu	Phe	Leu	Gly	Ile	Tyr	Val	Val	Thr	Ile	Val	Ala	Asn	
		35				40						45				
Leu	Gly	Leu	Ile	Thr	Leu	Ile	Ser	Leu	Asn	Thr	His	Leu	His	Thr	Pro	
	50					55					60					
Met	Tyr	Tyr	Phe	Leu	Phe	Asn	Leu	Ser	Phe	Val	Asp	Ile	Cys	Tyr	Ser	
65					70					75					80	
Ser	Val	Phe	Thr	Pro	Lys	Met	Leu	Ile	Asn	Phe	Val	Val	Glu	Lys	Asn	
				85					90				95			
Thr	Ile	Ser	Tyr	Thr	Gly	Cys	Leu	Thr	Gln	Leu	Tyr	Phe	Phe	Cys	Phe	

Glu	Val	Leu	Leu	Phe	Ile	Ile	Gly	Gly	Val	Asn	Thr	Leu	Ala	Pro	Thr
	195						200					205			
Leu	Ala	Val	Ile	Ile	Ser	Tyr	Ala	Phe	Ile	Leu	Thr	Ser	Ile	Leu	Arg
	210					215					220				
Ile	Arg	Ser	Asn	Glu	Gly	Arg	Ser	Lys	Ala	Phe	Gly	Thr	Cys	Ser	Ser
225					230					235					240
His	Ile	Met	Ala	Val	Gly	Ile	Phe	Phe	Gly	Ser	Ile	Thr	Phe	Met	Tyr
				245					250					255	
Phe	Lys	Pro	Pro	Ser	Ser	Asn	Asn	Met	Glu	Gln	Glu	Lys	Val	Ser	Ser
			260					265					270		
Val	Phe	Tyr	Thr	Thr	Val	Ile	Pro	Met	Leu	Asn	Pro	Leu	Ile	Tyr	Ser
	275						280					285			
Leu	Arg	Asn	Lys	Asp	Val	Lys	Thr	Ala	Leu	Lys	Lys	Met	Val	Gly	Arg
	290					295					300				
Arg	Gln	Leu	Ser												
305															

<210> 1618

<211> 316

<212> PRT

<213> Mus musculus

<400> 1618

Met	Pro	Gly	Val	Asn	Thr	Ser	Ser	Leu	Thr	Pro	Arg	Tyr	Phe	Ile	Leu
1				5					10					15	
Asn	Gly	Ile	Pro	Gly	Leu	Glu	Ala	Ala	His	Ile	Trp	Ile	Ser	Leu	Pro
			20					25					30		
Phe	Phe	Ile	Met	Tyr	Leu	Ile	Ala	Val	Thr	Gly	Asn	Cys	Gly	Leu	Ile
	35						40					45			
Tyr	Leu	Ile	Ser	His	Glu	Glu	Ala	Leu	His	Arg	Pro	Met	Tyr	Tyr	Phe
	50					55					60				
Leu	Ala	Met	Leu	Ser	Ala	Thr	Asp	Ile	Ser	Gly	Cys	Asn	Thr	Ile	Val
65					70					75					80
Pro	Ser	Met	Leu	Cys	Ile	Phe	Trp	Phe	Ser	Val	Lys	Glu	Ile	Asp	Phe
				85					90					95	
Asn	Ala	Cys	Leu	Val	Gln	Met	Phe	Phe	Ile	His	Met	Leu	Thr	Gly	Met
			100					105					110		
Glu	Ser	Gly	Val	Leu	Met	Leu	Met	Ala	Leu	Asp	Arg	Tyr	Val	Ala	Ile
		115					120					125			
Cys	Tyr	Pro	Leu	Arg	Tyr	Thr	Thr	Ile	Leu	Thr	Asn	Thr	Met	Ile	Thr
	130					135					140				
Lys	Ile	Gly	Leu	Ala	Ala	Leu	Val	Arg	Ser	Val	Leu	Leu	Met	Val	Pro
145					150					155					160
Phe	Ala	Phe	Leu	Ile	Lys	Arg	Leu	Pro	Tyr	Cys	Arg	Gly	Asn	Leu	Ile
				165					170					175	
Gln	His	Thr	Tyr	Cys	Asp	His	Met	Ala	Val	Ala	Lys	Leu	Ser	Cys	Gly
			180					185					190		
Asn	Ile	Lys	Ile	Asn	Ala	Ile	Tyr	Gly	Leu	Ile	Ile	Ala	Ile	Phe	Ile
		195					200					205			
Gly	Gly	Phe	Asp	Ile	Phe	Cys	Ile	Ser	Met	Ser	Tyr	Ala	Met	Ile	Ile
	210					215					220				
His	Ala	Val	Val	Lys	Leu	Ser	Ser	Ala	Asp	Ala	Arg	His	Lys	Ala	Phe
225					230					235					240
Ser	Thr	Cys	Thr	Ser	His	Ile	Cys	Ala	Ile	Val	Ile	Thr	Tyr	Val	Pro
				245					250					255	
Ala	Phe	Phe	Asn	Phe	Phe	Thr	His	Arg	Phe	Gly	Arg	Thr	Thr	Ile	Pro
			260					265					270		
His	His	Ile	His	Ile	Ile	Ile	Ala	Asn	Leu	Tyr	Leu	Leu	Leu	Pro	Pro

<400> 1620

Met Thr Ala Leu Ser Val Thr Asn Tyr Thr Ser Ser Arg Phe Ala Leu
1 5 10 15
Thr Gly Phe Pro Gly Leu Glu Ile Tyr Tyr Phe Trp Ile Ser Val Pro
20 25 30
Phe Phe Ile Ile Tyr Val Thr Val Phe Leu Gly Asn Cys Met Val Leu
35 40 45
His Val Ile Arg Thr Glu Leu Ser Leu His Gln Pro Met Phe Tyr Phe
50 55 60
Leu Ala Met Leu Ala Leu Thr Asp Leu Cys Met Gly Leu Ser Thr Val
65 70 75 80
His Thr Val Met Gly Ile Leu Trp Gly Phe Leu Gln Glu Ile Ser Leu
85 90 95
Asp Ala Cys Ile Ala Gln Ser Tyr Phe Ile His Gly Leu Ser Phe Met
100 105 110
Glu Ser Ser Val Leu Leu Thr Met Ser Phe Asp Arg Tyr Ile Ala Ile
115 120 125
Cys Asn Pro Leu Arg Tyr Ser Ser Ile Leu Thr Asn Asp Arg Ile Leu
130 135 140
Lys Ile Gly Val Ala Ile Leu Cys Arg Ser Ser Met Leu Ile Pro Pro
145 150 155 160
Val Ile Ile Arg Leu Lys Phe Leu Asn Tyr Cys Arg Pro His Phe Leu
165 170 175
Ser His Ser Phe Cys Leu His Gln Asp Leu Ile Arg Met Ala Cys Gly
180 185 190
Asp Ile Arg Phe Asn Ser Ile Tyr Gly Leu Ala Leu Val Ile Ser Asn
195 200 205
Leu Leu Val Asp Ser Val Leu Ile Leu Ile Ser Tyr Ile Met Ile Leu
210 215 220
Tyr Thr Val Leu Ser Ile Ala Ser Arg Glu Glu Arg Ile Lys Ser Leu
225 230 235 240
Gln Thr Cys Val Ser His Ile Ser Ala Val Leu Val Phe Tyr Ile Pro
245 250 255
Ile Ile Gly Leu Thr Met Val His Arg Phe Gly Lys His Leu Ser Pro
260 265 270
Leu Val His Val Leu Met Gly Asn Val Tyr Ile Leu Phe Pro Pro Leu
275 280 285
Met Asn Pro Ile Ile Tyr Ser Ile Lys Thr Gln Gln Ile Arg Val Arg
290 295 300
Ile Gln Arg Leu Phe Leu Lys Gly Thr
305 310

<210> 1621

<211> 310

<212> PRT

<213> Mus musculus

<400> 1621

Met Val Val Thr Asn Gly Ser Leu Val Thr Glu Phe Ile Leu Leu Gly
1 5 10 15
Leu Thr Asp Asn Pro Asp Leu Gln Ile Pro Leu Phe Leu Val Phe Leu
20 25 30
Val Met Tyr Met Ile Thr Ala Phe Gly Asn Leu Thr Leu Ile Leu Leu
35 40 45
Thr Val Leu Asn Ser His Leu His Thr Pro Met Tyr Phe Phe Leu Phe
50 55 60
Asn Leu Ser Phe Ile Asp Leu Cys Tyr Ser Ser Val Val Thr Pro Lys

65					70					75				80	
Leu	Leu	Met	Asn	Phe	Val	Leu	Lys	Lys	Asn	Ile	Ile	Gly	Phe	Ala	Gly
				85					90					95	
Cys	Met	Thr	Gln	Leu	Tyr	Phe	Phe	Cys	Phe	Phe	Val	Ile	Ser	Glu	Cys
			100					105					110		
Tyr	Val	Leu	Thr	Ala	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Asn
		115						120				125			
Pro	Leu	Met	Tyr	Asn	Val	Thr	Met	Ser	Pro	Lys	Val	Cys	Ser	Tyr	Leu
		130				135					140				
Met	Leu	Gly	Ser	Tyr	Leu	Met	Gly	Phe	Ser	Asp	Ala	Met	Ile	His	Thr
145					150					155				160	
Gly	Cys	Ile	Leu	Arg	Leu	Thr	Phe	Cys	Asp	Gly	Asn	Thr	Ile	Asn	His
				165					170					175	
Tyr	Phe	Cys	Asp	Leu	Leu	Pro	Leu	Met	Gln	Leu	Ser	Cys	Thr	Ser	Thr
			180					185					190		
Tyr	Ile	Asn	Glu	Val	Glu	Ile	Phe	Ile	Val	Gly	Gly	Lys	Asp	Ile	Thr
		195					200					205			
Val	Pro	Ser	Ile	Val	Ile	Ile	Ile	Ser	Tyr	Gly	Phe	Ile	Leu	Ser	Asn
	210					215					220				
Ile	Leu	Gln	Ile	Lys	Ser	Thr	Gly	Gly	Arg	Ser	Lys	Ala	Phe	Asn	Thr
225					230					235				240	
Cys	Ser	Ser	His	Ile	Ala	Val	Ser	Leu	Phe	Phe	Gly	Ser	Cys	Ala	
				245				250					255		
Phe	Met	Tyr	Leu	Lys	Pro	Pro	Ser	Ala	Gly	Ser	Leu	Asn	Glu	Gly	Lys
			260					265					270		
Val	Ser	Ser	Val	Phe	Tyr	Thr	Ile	Val	Val	Pro	Met	Met	Asn	Pro	Leu
		275					280					285			
Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Val	Lys	Leu	Ala	Leu	Arg	Lys	Thr
	290					295					300				
Leu	Ser	Arg	Arg	Lys	Phe										
305					310										

<210> 1622
 <211> 310
 <212> PRT
 <213> Mus musculus

<400> 1622

Met	Val	Leu	Thr	Asn	His	Ser	Leu	Val	Thr	Glu	Phe	Ile	Leu	Leu	Gly
1				5					10					15	
Leu	Thr	Asp	Asn	Pro	Asp	Leu	Gln	Ile	Pro	Leu	Phe	Leu	Val	Phe	Leu
			20					25					30		
Val	Met	Tyr	Met	Ile	Thr	Ala	Phe	Gly	Asn	Leu	Thr	Leu	Ile	Phe	Leu
		35					40					45			
Thr	Val	Leu	Asn	Ser	His	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Phe
	50					55					60				
Asn	Leu	Ser	Phe	Ile	Asp	Leu	Cys	Tyr	Ser	Ser	Val	Val	Thr	Pro	Lys
65					70					75				80	
Leu	Leu	Met	Asn	Phe	Val	Leu	Lys	Lys	Asn	Ile	Ile	Gly	Phe	Ala	Gly
			85						90					95	
Cys	Met	Thr	Gln	Leu	Tyr	Phe	Phe	Cys	Phe	Phe	Val	Ile	Ser	Glu	Cys
			100					105					110		
Tyr	Val	Leu	Thr	Ala	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Asn
		115					120					125			
Pro	Leu	Met	Tyr	Asn	Val	Thr	Met	Ser	Pro	Lys	Val	Cys	Ser	Tyr	Leu
		130				135					140				
Met	Leu	Gly	Ser	Tyr	Leu	Met	Gly	Phe	Ser	Asp	Ala	Met	Ile	His	Thr
145					150					155				160	

Gly	Cys	Ile	Leu	Arg	Leu	Thr	Phe	Cys	Asp	Gly	Asn	Thr	Ile	Asn	His	
				165					170					175		
Tyr	Phe	Cys	Asp	Leu	Leu	Pro	Leu	Met	Gln	Leu	Ser	Cys	Thr	Ser	Thr	
			180					185					190			
Tyr	Ile	Asn	Glu	Val	Glu	Ile	Phe	Ile	Val	Gly	Gly	Lys	Asp	Ile	Thr	
		195					200					205				
Val	Pro	Ser	Ile	Val	Val	Phe	Ile	Ser	Tyr	Gly	Phe	Ile	Leu	Ser	Asn	
	210					215					220					
Ile	Leu	Gln	Ile	Lys	Ser	Thr	Gly	Gly	Arg	Tyr	Lys	Ala	Phe	Asn	Thr	
225					230					235				240		
Cys	Ser	Ser	His	Ile	Ile	Ala	Val	Ser	Leu	Phe	Phe	Gly	Ser	Cys	Ala	
			245					250						255		
Phe	Met	Tyr	Leu	Lys	Pro	Ser	Ser	Val	Gly	Ser	Leu	Asn	Glu	Gly	Lys	
			260					265					270			
Val	Ser	Ser	Val	Phe	Tyr	Thr	Ile	Val	Val	Pro	Met	Met	Asn	Pro	Leu	
		275					280					285				
Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Val	Lys	Leu	Ala	Leu	Arg	Lys	Thr	
	290				295						300					
Leu	Ser	Arg	Lys	Lys	Phe											
305					310											

<210> 1623

<211> 311

<212> PRT

<213> Mus musculus

<400> 1623

Met	Glu	Asn	Tyr	Thr	Arg	Val	Lys	Glu	Leu	Ile	Phe	Leu	Gly	Leu	Thr	
1				5					10					15		
Gln	Ser	Gln	Glu	Val	Ser	Met	Val	Leu	Phe	Leu	Phe	Leu	Leu	Val		
			20					25					30			
Tyr	Val	Thr	Thr	Leu	Leu	Gly	Asn	Leu	Leu	Ile	Met	Val	Thr	Val	Thr	
		35				40						45				
Cys	Glu	Ser	Arg	Leu	His	Thr	Pro	Met	Tyr	Phe	Leu	Leu	Arg	Asn	Leu	
	50					55				60						
Ser	Val	Ala	Asp	Ile	Cys	Phe	Ser	Ser	Ile	Thr	Ala	Pro	Lys	Val	Leu	
65					70				75					80		
Val	Asp	Leu	Leu	Ser	Asp	Arg	Lys	Thr	Ile	Ser	Phe	Asn	Gly	Cys	Leu	
			85					90					95			
Thr	Gln	Met	Phe	Phe	Phe	His	Leu	Ile	Gly	Gly	Val	Asp	Val	Phe	Ser	
		100						105					110			
Leu	Ser	Val	Met	Ala	Leu	Asp	Arg	Tyr	Val	Ala	Ile	Ser	Lys	Pro	Leu	
		115					120					125				
His	Tyr	Val	Thr	Ile	Met	Ser	Arg	Gly	Arg	Cys	Ile	Gly	Leu	Ile	Val	
	130				135						140					
Ala	Ser	Trp	Val	Gly	Gly	Phe	Ala	His	Ser	Ile	Val	Gln	Ile	Ser	Leu	
145					150					155					160	
Leu	Leu	Thr	Leu	Pro	Phe	Cys	Gly	Pro	Asn	Val	Leu	Asp	Thr	Phe	Tyr	
			165						170					175		
Cys	Asp	Val	Pro	Gln	Val	Ile	Lys	Leu	Ala	Cys	Thr	Asp	Ile	Phe	Val	
		180						185					190			
Leu	Glu	Leu	Leu	Met	Ile	Ser	Asn	Asn	Gly	Leu	Val	Ala	Thr	Leu	Trp	
	195						200					205				
Phe	Val	Leu	Leu	Val	Val	Ser	Tyr	Thr	Val	Ile	Leu	Met	Met	Leu	Arg	
	210					215					220					
Ser	His	Ser	Gly	Glu	Gly	Arg	Lys	Lys	Ala	Ile	Ser	Thr	Cys	Thr	Ser	
225					230					235					240	
His	Ile	Thr	Val	Val	Thr	Leu	His	Phe	Val	Pro	Cys	Ile	Tyr	Val	Tyr	

<210> 1625
 <211> 312
 <212> PRT
 <213> Mus musculus

<400> 1625
 Met Ala Val Thr Asn Glu Ser His Pro Lys Glu Phe Ile Leu Leu Gly
 1 5 10 15
 Phe Ala Asn His Pro Trp Leu Glu Leu Pro Leu Phe Val Thr Leu Leu
 20 25 30
 Ile Thr Tyr Pro Met Ala Leu Met Gly Asn Ile Ala Ile Ile Leu Val
 35 40 45
 Ser Thr Leu Asp Pro Arg Leu His Ser Pro Met Tyr Phe Phe Leu Thr
 50 55 60
 Asn Leu Ser Phe Leu Asp Met Cys Tyr Thr Thr Ser Ile Val Pro Gln
 65 70 75 80
 Met Leu Phe Asn Leu Gly Ser Ser Arg Lys Thr Ile Thr Tyr Ile Gly
 85 90 95
 Cys Val Val Gln Leu Tyr Val Phe His Ile Met Gly Gly Thr Glu Cys
 100 105 110
 Leu Leu Leu Ala Ile Met Ser Phe Asp Arg Tyr Val Ala Ile Cys Lys
 115 120 125
 Pro Leu His Tyr Thr Leu Ile Met Asn Gln Arg Val Cys Ile Leu Leu
 130 135 140
 Val Ser Ile Met Trp Leu Thr Gly Val Ile Phe Ala Phe Ser Glu Ala
 145 150 155 160
 Thr Leu Thr Leu Gln Leu Pro Leu Cys Gly Ile His Lys Leu Asp His
 165 170 175
 Leu Leu Cys Glu Ile Pro Val Leu Ile Lys Thr Ala Cys Gly Glu Lys
 180 185 190
 Glu Ser Asn Glu Leu Ala Leu Ser Val Val Cys Ile Phe Ile Leu Ala
 195 200 205
 Val Pro Leu Cys Leu Ile Leu Ala Ser Tyr Val Asn Ile Gly Cys Ala
 210 215 220
 Val Leu Arg Ile Lys Ser Ser Glu Gly Arg Lys Lys Ala Phe Gly Thr
 225 230 235 240
 Cys Ser Ser His Leu Val Val Val Ser Leu Phe Tyr Gly Pro Ala Ile
 245 250 255
 Ser Met Tyr Leu Gln Pro Ser Ser Ser Ile Thr Arg Asp Gln Pro Lys
 260 265 270
 Phe Met Ala Leu Phe Tyr Ala Val Ile Thr Pro Thr Leu Asn Pro Phe
 275 280 285
 Ile Tyr Thr Leu Arg Asn Lys Asp Val Lys Gly Ala Leu Lys Lys Leu
 290 295 300
 Leu Arg Ser Ile Phe Ser Ser Lys
 305 310

<210> 1626
 <211> 313
 <212> PRT
 <213> Mus musculus

<400> 1626
 Met Met Gln Ile Thr Met Glu Asn Lys Ser Ser Val Ser Glu Phe Ile
 1 5 10 15
 Leu Met Gly Leu Thr Asp Gln Pro Glu Leu Gln Leu Pro Leu Phe Val
 20 25 30
 Leu Phe Leu Met Asn Tyr Thr Ala Thr Val Met Gly Asn Leu Thr Leu

Pro	Leu	Leu	Tyr	Asn	Ile	Val	Met	Ser	Pro	Lys	Leu	Cys	Ser	Tyr	Leu
	130					135					140				
Met	Met	Gly	Thr	Tyr	Leu	Met	Gly	Phe	Ser	Gly	Ala	Met	Ile	His	Thr
145					150					155					160
Gly	Cys	Ile	Leu	Arg	Leu	Thr	Phe	Cys	Asp	Lys	Asn	Thr	Ile	Asn	His
				165					170					175	
Tyr	Phe	Cys	Asp	Ile	Leu	Pro	Leu	Leu	Gln	Ile	Ser	Cys	Thr	Ser	Thr
			180					185					190		
Tyr	Val	Asn	Glu	Ile	Glu	Leu	Phe	Ile	Val	Ala	Gly	Lys	Asp	Ile	Ile
		195					200					205			
Val	Pro	Thr	Val	Ile	Ile	Phe	Thr	Ser	Tyr	Gly	Phe	Ile	Leu	Ser	Ser
	210					215					220				
Ile	Leu	Lys	Ile	Ser	Ser	Thr	Ala	Gly	Met	Ser	Lys	Ala	Phe	Ser	Thr
225					230					235					240
Cys	Ser	Ser	His	Ile	Ile	Ala	Leu	Cys	Leu	Phe	Phe	Gly	Ser	Cys	Thr
				245					250					255	
Phe	Met	Tyr	Leu	Lys	Pro	Ser	Ser	Val	Glu	Ser	Met	Asp	Gln	Gly	Lys
			260					265					270		
Ile	Ser	Ser	Val	Phe	Tyr	Asn	Ile	Val	Val	Pro	Leu	Met	Asn	Pro	Leu
		275				280						285			
Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Val	Lys	Ile	Ala	Ile	Lys	Lys	Thr
	290				295						300				
Ile	Thr	Ile	Gly	Lys	Phe										
305					310										

<210> 1628

<211> 310

<212> PRT

<213> Mus musculus

<400> 1628

Met	Gly	Phe	Glu	Asn	Gly	Ser	Ser	Val	Thr	Glu	Phe	Ile	Leu	Val	Gly
1				5					10					15	
Leu	Thr	Lys	Glu	Ser	Asp	Leu	Gln	Cys	Pro	Leu	Phe	Ile	Leu	Phe	Leu
			20					25					30		
Met	Met	Tyr	Val	Val	Thr	Val	Leu	Gly	Asn	Gln	Gly	Leu	Ile	Ser	Leu
		35					40					45			
Ile	Gly	Leu	Asn	Ser	His	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Phe
	50					55					60				
Asn	Leu	Ser	Phe	Val	Asp	Leu	Trp	Tyr	Ser	Ser	Val	Phe	Thr	Pro	Lys
65					70				75						80
Met	Leu	Glu	Ser	Phe	Ile	Ser	Glu	Lys	Asn	Thr	Ile	Ser	Tyr	Arg	Gly
				85					90					95	
Cys	Met	Ala	Gln	Leu	Phe	Phe	Phe	Cys	Phe	Phe	Ser	Ile	Ser	Glu	Cys
		100						105					110		
Tyr	Ile	Leu	Thr	Ser	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Asn
		115					120					125			
Pro	Leu	Leu	Tyr	Asn	Ile	Val	Met	Ser	Pro	Lys	Leu	Cys	Leu	Ile	Leu
	130					135					140				
Met	Phe	Ser	Ser	Tyr	Met	Met	Ala	Phe	Ser	Gly	Ala	Met	Ala	His	Thr
145					150					155					160
Gly	Cys	Met	Leu	Arg	Leu	Thr	Phe	Cys	Asp	Ala	Asn	Thr	Ile	Asn	His
				165					170					175	
Tyr	Phe	Cys	Asp	Ile	Leu	Pro	Val	Met	Gln	Leu	Ser	Cys	Thr	Ser	Thr
			180					185					190		
Tyr	Val	Asn	Glu	Leu	Glu	Val	Phe	Val	Val	Val	Gly	Ile	Asn	Ile	Ile
		195					200					205			
Val	Pro	Thr	Ile	Thr	Ile	Phe	Ile	Ser	Tyr	Gly	Phe	Ile	Ile	Ser	Ser

210		215		220
Ile Phe Arg Ile Ser Ser	Lys Glu Gly Arg Ser	Lys Ala Phe Ser Thr		
225	230	235	240	
Cys Ser Ser His Ile Ile	Ala Val Ser Leu Phe Phe	Gly Ser Gly Ala		
	245	250	255	
Phe Met Tyr Leu Lys Pro	Ser Ser Ala Glu Ser	Met Asn Glu Gly Lys		
	260	265	270	
Ile Ser Ser Ile Phe Tyr	Thr Asn Thr Val Pro	Leu Leu Asn Pro Leu		
	275	280	285	
Ile Tyr Ser Leu Arg Asn	Lys Asp Val Lys Asp	Ala Leu Ile Lys Thr		
	290	295	300	
Leu Ser Lys Arg Lys Arg				
305	310			

<210> 1629

<211> 311

<212> PRT

<213> Mus musculus

<400> 1629

Met Ala Phe Gly Asn Arg	Ser Phe Val Thr Glu Phe	Ile Leu Ile Gly	
1	5	10	15
Leu Thr Asp Gln Pro Asn	Leu Gln Leu Pro Leu Phe	Phe Leu Phe Leu	
	20	25	30
Val Met Tyr Ile Val Thr	Met Thr Gly Asn Leu Gly	Leu Val Ile Leu	
	35	40	45
Ile Gly Leu Asn Ser His	Leu His Thr Pro Met Tyr	Phe Phe Leu Phe	
	50	55	60
Asn Leu Ser Leu Ile Asp	Leu Cys Tyr Ser Ser Val	Phe Thr Pro Lys	
65	70	75	80
Met Leu Leu Asn Phe Ile	Leu Asn Lys Asn Ile Ile	Ser Tyr Thr Gly	
	85	90	95
Cys Met Thr Gln Leu Tyr	Phe Tyr Ser Phe Phe Val	Ile Ser Glu Cys	
	100	105	110
Tyr Val Leu Met Ser Met	Ala Tyr Asp Arg Tyr Val	Ala Ile Cys Asn	
	115	120	125
Pro Leu Leu Tyr Asn Ile	Ala Met Thr Pro Lys Ile	Cys Ser Tyr Leu	
	130	135	140
Met Leu Gly Ser Tyr Leu	Met Ala Phe Ser Gly Ala	Met Ala His Thr	
145	150	155	160
Gly Cys Met Leu Arg Leu	Thr Phe Cys Asp Ala Asn	Thr Ile Asn His	
	165	170	175
Tyr Phe Cys Asp Ile Leu	Pro Val Met Gln Leu Ser	Cys Thr Ser Thr	
	180	185	190
Tyr Val Asn Glu Leu Glu	Val Phe Ile Val Val Gly	Ile Asn Ile Leu	
	195	200	205
Val Pro Ser Ile Thr Ile	Phe Ile Ser Tyr Gly Phe	Ile Leu Ser Ser	
	210	215	220
Ile Phe His Ile Asn Ser	Asn Glu Gly Arg Ser Lys	Ala Phe Ser Thr	
225	230	235	240
Cys Ser Ser His Ile Ile	Ala Val Ser Leu Phe Phe	Gly Ser Gly Ala	
	245	250	255
Phe Met Tyr Leu Lys Pro	Ser Ser Ala Gly Ser Met	Asp Glu Gly Lys	
	260	265	270
Ile Ser Ser Val Phe Tyr	Thr Asn Val Val Pro Met	Met Asn Pro Leu	
	275	280	285
Ile Tyr Ser Leu Arg Asn	Lys Asp Val Lys Val Ala	Leu Arg Ile Thr	
	290	295	300

Leu Ser Arg Trp Lys Leu Leu
305 310

<210> 1630
<211> 309
<212> PRT
<213> Mus musculus

<400> 1630
Met Asp Ser Val Asn Val Ser Leu Val Thr Glu Phe Leu Leu Val Gly
1 5 10 15
Leu Thr His Gln Pro Asp Leu Gln Ile Pro Leu Phe Leu Leu Phe Leu
20 25 30
Ala Met Tyr Leu Val Thr Ala Leu Gly Asn Leu Gly Leu Ile Ile Leu
35 40 45
Val Leu Leu Asn Ser His Leu His Thr Pro Met Tyr Phe Phe Leu Phe
50 55 60
Asn Leu Ser Phe Ile Asp Phe Cys Tyr Ser Ser Val Phe Ala Pro Lys
65 70 75 80
Met Leu Met Asn Phe Ile Leu Arg Gln Asn Ala Ile Ser Tyr Met Gln
85 90 95
Cys Met Thr Gln Leu Tyr Phe Phe Phe Phe Val Val Ser Glu Cys
100 105 110
Phe Val Leu Thr Ser Met Ala Tyr Asp Arg Tyr Val Ala Ile Cys Asn
115 120 125
Pro Phe Leu Tyr Asn Val Met Ile Ser Pro Gln Val Cys Leu Asn Leu
130 135 140
Met Ile Gly Ser Tyr Leu Met Ala Phe Ser Glu Ala Val Val Leu Thr
145 150 155 160
Val Cys Met Leu Thr Leu Thr Phe Cys Asp Gly Asn Ile Asn His Tyr
165 170 175
Phe Cys Asp Ile Leu Ala Leu Phe Gln Leu Ser Cys Ser Ser Thr Tyr
180 185 190
Val Asn Lys Leu Val Ala Tyr Val Ile Val Val Ile Asn Ile Leu Phe
195 200 205
Ser Thr Pro Ala Ile Phe Ile Ser Tyr Gly Phe Ile Leu Ser Ser Ile
210 215 220
Phe Arg Ile Ser Ser Ser Lys Gly Arg Ser Lys Ala Phe Ser Thr Cys
225 230 235 240
Ser Ser His Ile Ile Ala Val Ser Leu Phe Phe Gly Ser Arg Ala Phe
245 250 255
Val Tyr Phe Lys Pro Ser Ser Pro Gly Ser Met Glu Trp Ala Lys Ile
260 265 270
Ser Ser Val Phe Tyr Thr Asn Val Val Pro Met Met Asn Pro Leu Ile
275 280 285
Tyr Ser Leu Lys Asn Lys Asp Val Lys Ile Ala Leu Arg Lys Ser Leu
290 295 300
Ala Arg Trp Lys Ile
305

<210> 1631
<211> 310
<212> PRT
<213> Mus musculus

<400> 1631
Met Ala Pro Ala Asn Val Ser Leu Val Thr Glu Phe Ile Leu Val Gly

1	5	10	15
Leu Thr Asn Gln Pro Asp Leu Gln Ile Pro Leu Phe Phe Val Phe Leu			
Ile Met Tyr Ile Val Thr Ala Leu Gly Asn Leu Cys Leu Ile Ile Leu	20	25	30
Ile Val Leu Asn Ser His Leu His Thr Pro Met Tyr Phe Phe Leu Phe	35	40	45
Asn Leu Ser Phe Ile Asp Leu Cys Tyr Ser Thr Val Phe Thr Pro Lys	50	55	60
Met Leu Met Asn Phe Ile Leu Ser Lys Asn Ala Ile Ser Tyr Met Gly	65	70	75
Cys Leu Thr Gln Leu Tyr Phe Phe Cys Phe Phe Val Ile Ser Glu Cys	85	90	95
Tyr Val Leu Thr Ser Met Ala Tyr Asp Arg Tyr Val Ala Ile Cys Asn	100	105	110
Pro Leu Leu Tyr Thr Val Ala Met Ser Pro Lys Leu Cys Leu Asn Leu	115	120	125
Met Leu Gly Thr Tyr Ala Met Ala Phe Ser Gly Ala Met Ala His Thr	130	135	140
Gly Cys Met Leu Arg Leu Thr Phe Cys Asp Ala Asn Thr Ile Asn His	145	150	155
Tyr Phe Cys Asp Ile Leu Pro Val Met Gln Leu Ser Cys Thr Ser Thr	165	170	175
Tyr Val Asn Glu Leu Val Val Phe Ile Val Val Gly Ile Asn Ile Ile	180	185	190
Val Pro Ser Ile Thr Ile Phe Ile Ser Tyr Gly Phe Ile Leu Ser Ser	195	200	205
Ile Phe His Ile Lys Ser Asn Glu Gly Arg Ser Lys Ala Phe Ser Thr	210	215	220
Cys Ser Ser His Ile Ala Val Cys Leu Phe Phe Gly Ser Gly Ala	225	230	235
Phe Met Tyr Leu Lys Pro Ser Ser Ser Ser Ser Met Asp Gln Gly Lys	245	250	255
Thr Ser Ser Val Phe Tyr Thr Asn Val Val Pro Met Met Asn Pro Leu	260	265	270
Ile Tyr Ser Leu Arg Asn Lys Asp Val Lys Ile Ala Leu Arg Lys Thr	275	280	285
Leu Ser Arg Trp Lys Phe	290	295	300
305	310		

<210> 1632

<211> 310

<212> PRT

<213> Mus musculus

<400> 1632

Met Glu Lys Ala Val Leu Ile Asn Glu Thr Ser Val Met Ser Phe Arg	1	5	10	15
Leu Thr Gly Leu Ser Thr Asn Pro Leu Val Gln Met Ala Val Phe Phe	20	25	30	
Ile Phe Leu Ile Phe Tyr Val Leu Thr Leu Val Gly Asn Ile Leu Ile	35	40	45	
Val Ile Thr Ile Ile Tyr Asp Arg Arg Leu His Thr Pro Met Tyr Phe	50	55	60	
Phe Leu Ser Asn Leu Ser Phe Ile Asp Val Cys His Ser Thr Val Thr	65	70	75	80
Val Pro Lys Met Leu Ser Asp Thr Phe Ser Glu Glu Lys Leu Ile Ser	85	90	95	

Phe	Asp	Ala	Cys	Val	Val	Gln	Met	Phe	Phe	Leu	His	Leu	Phe	Ala	Cys	
			100					105					110			
Thr	Glu	Ile	Phe	Leu	Leu	Thr	Val	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	
		115					120					125				
Ile	Cys	Lys	Pro	Leu	Gln	Tyr	Met	Thr	Ile	Met	Asn	Trp	Lys	Val	Cys	
	130					135					140					
Met	Met	Leu	Ala	Ala	Ala	Leu	Trp	Thr	Gly	Gly	Thr	Ile	His	Ser	Ile	
	145				150					155					160	
Ser	Leu	Thr	Ser	Leu	Thr	Ile	Lys	Leu	Pro	Tyr	Cys	Gly	Pro	Asp	Glu	
				165					170					175		
Ile	Asp	Asn	Phe	Phe	Cys	Asp	Val	Pro	Gln	Val	Ile	Lys	Leu	Ala	Cys	
		180						185					190			
Thr	Asp	Thr	His	Ile	Ile	Glu	Ile	Leu	Ile	Val	Ser	Asn	Ser	Gly	Leu	
	195					200						205				
Ile	Ser	Val	Val	Cys	Phe	Val	Val	Leu	Val	Val	Ser	Tyr	Ala	Val	Ile	
	210					215					220					
Leu	Val	Ser	Leu	Arg	Gln	Gln	Ile	Ser	Asp	Gly	Lys	Arg	Lys	Ala	Leu	
	225				230					235					240	
Ser	Thr	Cys	Ala	Ala	His	Leu	Thr	Val	Val	Thr	Leu	Phe	Leu	Gly	His	
				245					250					255		
Cys	Ile	Phe	Ile	Tyr	Ser	Arg	Pro	Ser	Thr	Ser	Leu	Pro	Glu	Asp	Lys	
		260						265					270			
Val	Val	Ser	Val	Phe	Phe	Thr	Ala	Val	Thr	Pro	Leu	Leu	Asn	Pro	Ile	
		275					280					285				
Ile	Tyr	Thr	Leu	Arg	Asn	Glu	Asp	Met	Lys	Ser	Ala	Leu	Asn	Lys	Leu	
	290					295					300					
Ile	Lys	Arg	Arg	Glu	Lys											
305					310											

<210> 1633

<211> 308

<212> PRT

<213> Mus musculus

<400> 1633

Met	Gly	Ala	Leu	Asn	Gln	Thr	Arg	Val	Thr	Glu	Phe	Ile	Phe	Leu	Gly	
1				5					10					15		
Leu	Thr	Asp	Asn	Trp	Val	Leu	Glu	Ile	Leu	Phe	Phe	Val	Pro	Phe	Thr	
			20					25					30			
Val	Thr	Tyr	Met	Leu	Thr	Leu	Leu	Gly	Asn	Phe	Leu	Ile	Val	Val	Thr	
		35					40					45				
Ile	Val	Phe	Thr	Pro	Arg	Leu	His	Asn	Pro	Met	Tyr	Phe	Phe	Leu	Ser	
	50					55					60					
Asn	Leu	Ser	Phe	Ile	Asp	Ile	Cys	His	Ser	Ser	Val	Thr	Val	Pro	Lys	
	65				70					75					80	
Met	Leu	Glu	Gly	Leu	Leu	Glu	Arg	Lys	Thr	Ile	Ser	Phe	Asp	Asn		
				85				90					95			
Cys	Ile	Ala	Gln	Leu	Phe	Phe	Leu	His	Leu	Phe	Ala	Cys	Ser	Glu	Ile	
			100					105					110			
Phe	Leu	Leu	Thr	Ile	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Ile	
		115					120					125				
Pro	Leu	His	Tyr	Ser	Asn	Val	Met	Asn	Met	Lys	Val	Cys	Val	Gln	Leu	
	130					135						140				
Val	Phe	Ala	Leu	Trp	Leu	Gly	Gly	Thr	Ile	His	Ser	Leu	Val	Gln	Thr	
	145				150					155					160	
Phe	Leu	Thr	Ile	Arg	Leu	Pro	Tyr	Cys	Gly	Pro	Asn	Ile	Ile	Asp	Ser	
				165					170					175		
Tyr	Phe	Cys	Asp	Val	Pro	Pro	Val	Ile	Lys	Leu	Ala	Cys	Thr	Asp	Thr	

Glu	Glu	Gly	Arg	Phe	Ala	Ser	Val	Phe	Tyr	Thr	Asn	Val	Val	Pro	Met
		275					280				285				
Leu	Asn	Pro	Leu	Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Val	Lys	Leu	Ala
	290					295					300				
Leu	Asn	Lys	Thr	Leu	Lys	Arg	Val	Leu	Phe						
305					310										

<210> 1635
 <211> 316
 <212> PRT
 <213> Mus musculus

<400> 1635

Met	Ala	Lys	Asn	Asn	Ile	Thr	Thr	Val	Thr	Glu	Phe	Ile	Leu	Ile	Gly
1				5					10					15	
Phe	Asn	Asp	His	Pro	Lys	Trp	Glu	Ile	Pro	Leu	Leu	Leu	Val	Phe	Leu
			20				25						30		
Ser	Phe	Tyr	Leu	Val	Thr	Met	Leu	Gly	Asn	Leu	Gly	Met	Val	Ile	Leu
		35					40					45			
Ile	His	Val	Asp	Val	Gln	Leu	His	Ile	Pro	Met	Tyr	Phe	Phe	Leu	Ser
	50					55					60				
His	Leu	Ser	Val	Leu	Asp	Ala	Cys	Tyr	Thr	Ser	Val	Ile	Thr	Pro	Gln
65					70					75					80
Ile	Leu	Ala	Thr	Leu	Ala	Thr	Gly	Lys	Thr	Val	Ile	Ser	Tyr	Arg	Cys
				85						90				95	
Cys	Ala	Ala	Gln	Phe	Phe	Phe	Phe	Thr	Ile	Cys	Ala	Ala	Thr	Glu	Cys
			100					105					110		
Phe	Leu	Leu	Ser	Val	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Ser	Asn
		115					120					125			
Pro	Leu	Leu	Tyr	Thr	Val	Ala	Met	Gly	Pro	Arg	Lys	Cys	Trp	Ser	Leu
	130					135					140				
Val	Val	Gly	Ala	Tyr	Ile	Cys	Gly	Val	Cys	Gly	Ala	Ile	Leu	Arg	Thr
145					150					155					160
Thr	Cys	Thr	Phe	Ser	Leu	Ser	Phe	Cys	Glu	Asn	Asn	Gln	Ile	Asn	Phe
				165					170					175	
Phe	Phe	Cys	Asp	Leu	Pro	Pro	Leu	Leu	Lys	Leu	Ala	Cys	Ser	Asp	Thr
			180					185					190		
Thr	Asn	Ile	Glu	Ile	Ile	Ile	Val	Phe	Phe	Gly	Asn	Phe	Val	Ile	Leu
		195					200					205			
Ala	Asn	Ala	Leu	Val	Ile	Leu	Ile	Ser	Tyr	Leu	Leu	Ile	Ile	Lys	Ala
	210					215						220			
Val	Met	Arg	Met	Lys	Ser	Ser	Gly	Arg	Arg	Ala	Lys	Thr	Phe	Ser	Thr
225					230					235					240
Cys	Val	Ser	His	Leu	Thr	Ala	Val	Ala	Leu	Leu	Phe	Gly	Thr	Leu	Ile
				245						250				255	
Phe	Met	Tyr	Ile	Arg	Ser	Gly	Ser	Lys	Lys	Ser	Leu	Asp	Glu	Asp	Lys
			260					265					270		
Val	Val	Ser	Val	Phe	Tyr	Thr	Val	Val	Ile	Pro	Met	Leu	Asn	Pro	Leu
		275					280					285			
Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Val	Lys	Ala	Ala	Phe	Lys	Lys	Val
	290					295					300				
Thr	Gly	Lys	Cys	Gln	Val	Ser	Gln	Cys	Thr	Gln	His				
305					310					315					

<210> 1636
 <211> 314
 <212> PRT

<213> Mus musculus

<400> 1636

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Met Asp Asn Asn Asn Leu Thr Thr Val Thr Glu Phe Ile Leu Val Gly
 1      5      10      15
Phe Thr Asp His Pro Glu Trp Glu Val Pro Leu Phe Leu Val Phe Leu
 20      25      30
Cys Phe Tyr Leu Val Thr Ile Leu Gly Asn Leu Gly Met Val Ile Leu
 35      40      45
Ile Gln Met Asp Val Gln Leu Gln Ser Pro Met Tyr Phe Phe Leu Ser
 50      55      60
His Leu Ser Val Leu Asp Ala Cys Tyr Thr Ser Val Ile Thr Pro Gln
 65      70      75      80
Ile Leu Ala Met Leu Ala Thr Gly Lys Thr Val Ile Ser Tyr Asn His
 85      90      95
Cys Ala Ala Gln Phe Phe Phe Phe Thr Phe Cys Ala Ser Thr Glu Cys
100      105      110
Phe Leu Leu Ala Val Met Ser Tyr Asp Arg Tyr Val Ala Ile Ser Asn
115      120      125
Pro Leu Leu Tyr Thr Val Ala Met Ser Pro Lys Lys Cys Trp Ser Leu
130      135      140
Val Leu Val Ala Tyr Val Cys Gly Leu Ser Gly Ser Ile Gln Arg Thr
145      150      155      160
Thr Cys Thr Phe Ser Leu Ser Phe Cys Glu Asp Asn Lys Ile Asn Phe
165      170      175
Phe Phe Cys Asp Leu Pro Pro Leu Leu Lys Leu Ala Cys Ser Asp Thr
180      185      190
Thr Asn Ala Glu Ile Ile Ile Val Leu Phe Gly Asn Phe Val Ile Leu
195      200      205
Val Asn Ala Leu Val Ile Leu Thr Ser Tyr Leu Leu Ile Ile Lys Thr
210      215      220
Val Met Arg Ile Lys Ser Ser Gly Gly Arg Gly Lys Thr Phe Ser Thr
225      230      235      240
Cys Val Ser His Leu Thr Ala Val Ala Leu Phe Phe Gly Thr Leu Thr
245      250      255
Phe Met Tyr Ile Arg Ser Gly Ser Gly Lys Ser Pro Glu Glu Asp Lys
260      265      270
Val Val Ser Val Phe Tyr Thr Val Ile Ile Pro Met Leu Asn Pro Leu
275      280      285
Ile Tyr Ser Leu Arg Asn Lys Asp Val Lys Ala Gly Phe Arg Lys Leu
290      295      300
Thr Ser Arg Leu Gln Val Ser Gln Ser Val
305      310
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<210> 1637

<211> 310

<212> PRT

<213> Mus musculus

<400> 1637

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Met Lys Asn Gln Ser Gly Glu Leu Glu Phe Ile Leu Leu Gly Leu Thr
 1      5      10      15
Asp Asp Pro Gln Leu Gln Ile Leu Ile Phe Leu Phe Leu Phe Asn
 20      25      30
Tyr Ile Leu Ser Met Met Gly Asn Leu Thr Ile Ile Leu Leu Thr Leu
 35      40      45
Leu Asp Pro His Leu Lys Thr Pro Met Tyr Phe Phe Leu Arg Asn Phe
 50      55      60
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Ser	Phe	Ile	Glu	Ile	Ala	Phe	Thr	Thr	Val	Cys	Ile	Pro	Arg	Phe	Leu
65					70					75					80
Ile	Ser	Ile	Leu	Ser	Gly	Asp	Arg	Thr	Ile	Ser	Tyr	Asn	Ala	Cys	Ala
				85					90					95	
Ala	Gln	Leu	Phe	Val	Phe	Leu	Leu	Gly	Ser	Thr	Glu	Phe	Tyr	Leu	
			100					105					110		
Leu	Ala	Ala	Met	Ser	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Arg	Pro	Leu
		115					120					125			
His	Tyr	Pro	Ile	Ile	Met	Asn	Ser	Lys	Val	Cys	His	Leu	Leu	Val	Leu
	130					135					140				
Ser	Ser	Trp	Val	Thr	Gly	Phe	Leu	Ile	Ile	Phe	Pro	Pro	Leu	Leu	Leu
145					150					155					160
Gly	Leu	Lys	Leu	Asp	Phe	Cys	Thr	Ser	Gly	Ala	Met	Asp	His	Phe	Leu
				165					170						175
Cys	Asp	Pro	Ser	Pro	Val	Leu	Gln	Leu	Ser	Cys	Thr	Asp	Thr	Gln	Leu
			180					185					190		
Ile	Glu	Leu	Met	Thr	Phe	Val	Leu	Ala	Ile	Met	Thr	Leu	Ile	Ile	Thr
		195					200					205			
Leu	Ile	Leu	Val	Ile	Leu	Ser	Tyr	Thr	Leu	Ile	Ile	Lys	Thr	Ile	Leu
	210					215					220				
Lys	Phe	Pro	Ser	Ala	Gln	Gln	Arg	Arg	Lys	Ala	Phe	Ser	Thr	Cys	Ser
225					230					235					240
Ser	His	Met	Val	Val	Ser	Ile	Thr	Tyr	Gly	Ser	Cys	Ile	Phe	Met	
				245				250					255		
Tyr	Val	Lys	Thr	Ser	Ala	Lys	Glu	Arg	Val	Thr	Leu	Asn	Lys	Gly	Val
			260					265					270		
Ala	Val	Leu	Asn	Thr	Ser	Val	Ala	Pro	Leu	Leu	Asn	Pro	Phe	Ile	Tyr
		275					280					285			
Thr	Leu	Arg	Asn	Gln	Gln	Val	Lys	Asp	Ala	Phe	Lys	His	Met	Leu	His
	290					295					300				
Arg	Phe	Cys	Thr	Lys	Gln										
305					310										

<210> 1638
 <211> 306
 <212> PRT
 <213> Mus musculus

Met	Ser	Asn	Val	Thr	Glu	Phe	Ile	Leu	Leu	Gly	Leu	Thr	Gln	Asp	Pro
1				5					10					15	
Asp	Leu	Gln	Lys	Leu	Leu	Phe	Ile	Val	Cys	Leu	Ile	Ile	Tyr	Leu	Ile
			20					25					30		
Thr	Leu	Ala	Gly	Asn	Met	Leu	Ile	Ser	Val	Thr	Ile	Phe	Ile	Ser	Pro
		35				40						45			
Ala	Leu	Ala	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Ser	Tyr	Leu	Ser	Ile	Ile
	50					55					60				
Asp	Gly	Phe	Tyr	Ser	Ser	Ser	Ile	Ala	Pro	Lys	Met	Ile	Tyr	Asp	Leu
65					70					75					80
Ile	Ser	Glu	Lys	Ser	Thr	Ile	Ser	Phe	Asn	Gly	Cys	Met	Thr	Gln	Leu
				85					90					95	
Phe	Ala	Glu	His	Phe	Phe	Ala	Ala	Asp	Glu	Ile	Ile	Leu	Leu	Ile	Ala
			100					105					110		
Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Lys	Pro	Leu	His	Tyr	Met
		115					120					125			
Thr	Ile	Met	Ser	Gln	Pro	Leu	Cys	Val	Phe	Leu	Val	Gly	Ala	Ala	Val
	130					135					140				
Ile	Leu	Gly	Phe	Ile	His	Gly	Ala	Ile	Gln	Thr	Leu	Phe	Met	Ala	Gln

145					150					155					160
Leu	Pro	Phe	Cys	Gly	Pro	Asn	Thr	Ile	Asn	His	Phe	Met	Cys	Asp	Leu
				165					170					175	
Ile	Pro	Leu	Leu	Glu	Leu	Ala	Cys	Thr	Asp	Thr	His	Thr	Leu	Gly	Pro
			180					185					190		
Leu	Ile	Ala	Ala	Asn	Ser	Gly	Ser	Leu	Cys	Leu	Leu	Thr	Phe	Ser	Met
		195					200					205			
Leu	Val	Ala	Ser	Tyr	Val	Val	Ile	Leu	Arg	Ser	Leu	Arg	Asn	His	Ser
	210					215					220				
Ala	Glu	Gly	Arg	Arg	Lys	Ala	Leu	Ser	Thr	Cys	Ala	Ser	His	Val	Thr
225					230					235				240	
Val	Val	Val	Leu	Phe	Phe	Val	Pro	Cys	Ser	Tyr	Leu	Tyr	Leu	Arg	Pro
			245					250					255		
Met	Thr	Ser	Phe	Pro	Thr	Asp	Lys	Ala	Val	Thr	Val	Phe	Cys	Thr	Leu
		260					265					270			
Val	Thr	Pro	Met	Leu	Asn	Pro	Leu	Ile	Tyr	Thr	Leu	Arg	Asn	Glu	Glu
		275					280				285				
Val	Lys	Arg	Val	Met	Lys	Lys	Leu	Trp	Gly	Arg	Met	Arg	Lys	Ala	Gly
	290					295					300				
Asp	Met														
305															

<210> 1639
 <211> 305
 <212> PRT
 <213> Mus musculus

<400> 1639

Met	Val	His	Glu	Asn	Asn	Val	Thr	Glu	Leu	Ile	Phe	Thr	Gly	Leu	Phe
1				5					10					15	
Gln	Asp	Pro	Glu	Val	Gln	Lys	Val	Cys	Phe	Val	Leu	Phe	Leu	Pro	Val
			20					25					30		
Tyr	Leu	Ala	Thr	Leu	Leu	Gly	Asn	Gly	Leu	Ile	Phe	Val	Thr	Val	Ser
		35				40						45			
Ile	Ser	Lys	Thr	Leu	His	Ser	Pro	Met	Tyr	Phe	Phe	Leu	Ser	Ser	Leu
	50					55					60				
Ser	Leu	Val	Glu	Ile	Cys	Tyr	Ser	Ser	Thr	Val	Ala	Pro	Lys	Phe	Ile
65				70					75					80	
Thr	Asp	Leu	Leu	Ala	Lys	Val	Lys	Thr	Ile	Ser	Leu	Lys	Gly	Cys	Leu
			85					90					95		
Thr	Gln	Ile	Phe	Phe	Phe	His	Phe	Phe	Gly	Val	Val	Glu	Ile	Ile	Leu
			100				105						110		
Leu	Val	Met	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Lys	Pro	Leu
		115				120						125			
His	Tyr	Met	Ile	Ile	Met	Ser	Arg	Gln	Val	Cys	His	Met	Leu	Val	Ala
	130				135						140				
Gly	Ser	Trp	Leu	Gly	Gly	Leu	Ile	His	Ser	Ile	Ile	Gln	Ile	Ile	Ile
145				150					155					160	
Thr	Ile	Pro	Leu	Pro	Phe	Cys	Gly	Pro	Asn	Val	Ile	Asp	His	Tyr	Phe
			165					170					175		
Cys	Asp	Leu	His	Pro	Leu	Leu	Lys	Leu	Ala	Cys	Ser	Asp	Thr	Phe	Met
		180					185					190			
Glu	Arg	Phe	Ile	Val	Met	Ala	Asn	Ser	Gly	Leu	Phe	Ser	Ile	Ile	Ser
	195						200					205			
Leu	Phe	Ile	Leu	Val	Ser	Ser	Tyr	Ala	Val	Ile	Leu	Ser	Leu	Arg	
	210					215				220					
Lys	Arg	Ser	Ala	Glu	Gly	Arg	Arg	Lys	Ala	Leu	Ser	Thr	Cys	Ala	Ser
225					230					235				240	

<210> 1641
 <211> 307
 <212> PRT
 <213> Mus musculus

<400> 1641
 Met Gly Gln Asn Asn Asn Val Thr Glu Phe Ile Leu Leu Gly Leu Thr
 1 5 10 15
 Gln Asp Pro Ala Gly Gln Lys Val Leu Phe Val Met Phe Leu Leu Ile
 20 25 30
 Tyr Ile Val Lys Ile Val Gly Asn Leu Leu Ile Val Gly Thr Val Ile
 35 40 45
 Ala Ser Pro Ser Leu Gly Ser Pro Met Tyr Phe Phe Leu Ala Phe Leu
 50 55 60
 Ser Leu Met Asp Ala Val Tyr Ser Thr Ala Ile Leu Pro Lys Leu Leu
 65 70 75 80
 Thr Asp Leu Leu Cys Asp Lys Lys Thr Ile Ser Phe Thr Ala Cys Leu
 85 90 95
 Val Gln Leu Phe Val Glu His Leu Phe Gly Gly Ser Glu Val Phe Ile
 100 105 110
 Leu Val Val Met Ala Tyr Asp His Tyr Val Ala Ile Cys Lys Pro Leu
 115 120 125
 His Tyr Leu Thr Ile Met Lys Arg Gln Val Cys Ile Leu Leu Val Val
 130 135 140
 Val Ser Trp Ala Gly Gly Phe Val His Ala Leu Leu Gln Ala Ile Ser
 145 150 155 160
 Val Tyr Leu Leu Pro Phe Cys Gly Pro Asn Val Ile Asp His Phe Ala
 165 170 175
 Cys Asp Ile Tyr Pro Leu Leu Gly Leu Ala Cys Thr Asp Thr Tyr Phe
 180 185 190
 Leu Gly Leu Thr Val Val Ser Ser Tyr Gly Ala Met Ser Ile Val Ala
 195 200 205
 Phe Ile Leu Leu Leu Val Ser Tyr Gly Ile Ile Leu Asn Ser Leu Lys
 210 215 220
 Thr His Ser Gln Glu Gly Arg Arg Lys Ala Leu Ser Thr Cys Ser Ser
 225 230 235 240
 His Ile Met Val Val Val Leu Phe Phe Val Pro Cys Ile Phe Met Tyr
 245 250 255
 Val Arg Pro Val Ser Asn Phe Pro Ile Asp Lys Tyr Ile Thr Val Phe
 260 265 270
 Tyr Thr Val Phe Thr Pro Met Leu Asn Pro Leu Ile Tyr Thr Leu Arg
 275 280 285
 Asn Met Glu Ile Lys Asn Cys Met Ala Lys Leu Trp Ser Lys Met Phe
 290 295 300
 Thr Lys Ala
 305

<210> 1642
 <211> 315
 <212> PRT
 <213> Mus musculus

<400> 1642
 Met Gly Gln Arg Asn Asn Val Thr Glu Phe Ile Leu Leu Gly Leu Thr
 1 5 10 15
 Gln Asp Pro Ala Gly Gln Lys Ala Leu Phe Val Met Phe Leu Leu Ile
 20 25 30

Tyr	Ile	Val	Thr	Met	Val	Gly	Asn	Leu	Leu	Ile	Val	Ala	Thr	Val	Ile	
	35						40					45				
Ala	Ser	Pro	Ser	Leu	Gly	Ser	Pro	Met	Tyr	Phe	Phe	Leu	Ala	Tyr	Leu	
	50					55					60					
Ser	Ile	Met	Asp	Ala	Val	Tyr	Ser	Thr	Ser	Thr	Ser	Pro	Lys	Leu	Ile	
65					70					75					80	
Met	Asp	Leu	Leu	Ser	Asp	Lys	Lys	Thr	Ile	Ser	Phe	Ser	Ala	Cys	Met	
				85					90					95		
Gly	Gln	Leu	Phe	Ile	Glu	His	Leu	Phe	Gly	Gly	Ala	Glu	Val	Phe	Leu	
			100					105					110			
Leu	Val	Val	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Lys	Pro	Leu	
	115						120					125				
His	Tyr	Leu	Thr	Ile	Met	Asn	Arg	Gln	Ile	Cys	Ile	Leu	Leu	Leu	Val	
	130					135					140					
Ile	Ala	Trp	Val	Gly	Gly	Phe	Val	His	Ser	Val	Ile	Gln	Leu	Ala	Phe	
145				150						155					160	
Val	Ser	Thr	Leu	Pro	Phe	Cys	Gly	Pro	Asn	Val	Ile	Asp	His	Phe	Ile	
				165					170					175		
Cys	Asp	Met	Tyr	Pro	Leu	Leu	Thr	Leu	Ala	Cys	Ser	Asp	Thr	Tyr	Phe	
		180						185					190			
Ile	Gly	Leu	Thr	Val	Val	Ala	Asn	Gly	Gly	Ala	Ile	Cys	Met	Val	Ile	
	195						200					205				
Leu	Ile	Leu	Leu	Leu	Ile	Ser	Tyr	Val	Phe	Ile	Leu	Asn	Ser	Leu	Lys	
	210					215					220					
Asn	Tyr	Ser	Gln	Glu	Gly	Arg	Arg	Lys	Ala	Leu	Ser	Thr	Cys	Ser	Ser	
225				230					235						240	
His	Ile	Thr	Val	Val	Val	Leu	Phe	Phe	Val	Pro	Cys	Ile	Phe	Ile	Tyr	
			245						250					255		
Val	Arg	Pro	Val	Ser	Asn	Phe	Pro	Ile	Asp	Lys	Ser	Ile	Ser	Val	Val	
		260						265						270		
Phe	Thr	Val	Ile	Thr	Pro	Met	Leu	Asn	Pro	Leu	Ile	Tyr	Thr	Leu	Arg	
	275					280						285				
Asn	Ser	Glu	Met	Lys	Ile	Ala	Met	Gln	Lys	Leu	Trp	Cys	Lys	Thr	Ala	
	290					295					300					
Thr	Thr	Gly	Arg	Val	Arg	Val	His	Ser	Pro	His						
305					310					315						

<210> 1643
 <211> 305
 <212> PRT
 <213> Mus musculus

<400> 1643

Met	Glu	Asn	Ala	Asn	Asn	Val	Thr	Glu	Phe	Ile	Leu	Val	Ser	Ile	Thr	
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Lys	Ile	Pro	Glu	Leu	Arg	Ile	Leu	Phe	Ser	Ala	Leu	Phe	Leu	Ile	Met	
			20					25					30			
Tyr	Val	Ala	Thr	Leu	Leu	Gly	Asn	Leu	Leu	Ile	Ile	Val	Thr	Val	Thr	
		35					40					45				
Val	Ser	Pro	Asn	Leu	Arg	Ser	Pro	Met	Tyr	Phe	Phe	Leu	Ile	Ser	Leu	
	50					55					60					
Ser	Leu	Leu	Asp	Val	Ile	Tyr	Ser	Ser	Val	Thr	Ala	Pro	Lys	Leu	Ile	
65				70						75					80	
Val	Asp	Ser	Leu	Ser	Glu	Asn	Thr	Thr	Ile	Ser	Leu	Glu	Gly	Cys	Met	
				85					90					95		
Thr	Gln	Leu	Phe	Ala	Glu	His	Phe	Phe	Gly	Gly	Val	Glu	Ile	Ile	Leu	
			100					105					110			
Leu	Ile	Val	Met	Ala	Tyr	Asp	Ser	Tyr	Val	Ala	Ile	Cys	Lys	Pro	Leu	

Phe	Thr	Leu	Leu	Leu	Gly	Ser	Tyr	Gly	Ile	Ile	Leu	Lys	Ser	Leu	Lys
	210					215					220				
Thr	His	Ser	Gln	Glu	Gly	Arg	Arg	Lys	Ala	Leu	Ser	Thr	Cys	Ser	Ser
225					230					235					240
His	Ile	Leu	Val	Val	Ile	Leu	Phe	Phe	Val	Pro	Cys	Ile	Phe	Met	Tyr
				245					250					255	
Ala	Arg	Pro	Val	Tyr	Asn	Phe	Pro	Ile	Asp	Lys	Cys	Ile	Thr	Val	Phe
			260					265					270		
Tyr	Thr	Ile	Ile	Thr	Pro	Met	Leu	Asn	Pro	Leu	Ile	Tyr	Thr	Leu	Arg
		275					280					285			
Asn	Ser	Glu	Met	Lys	Thr	Cys	Met	Lys	Lys	Leu	Trp	Cys	Lys	Ile	Leu
	290					295					300				
Pro	Ala	Asp													
305															

<210> 1645
 <211> 310
 <212> PRT
 <213> Mus musculus

<400> 1645

Met	Ala	Leu	Ile	Asn	Gly	Ser	Val	Val	Thr	Glu	Phe	Ile	Leu	Leu	Gly
1				5					10					15	
Leu	Thr	Asp	Gln	Pro	Asp	Leu	Gln	Val	Pro	Leu	Phe	Leu	Val	Phe	Leu
			20					25					30		
Leu	Met	Tyr	Met	Ile	Thr	Ala	Leu	Gly	Asn	Leu	Thr	Leu	Ile	Ile	Leu
		35					40				45				
Ile	Val	Leu	Asn	Ser	His	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Phe
	50					55					60				
Asn	Leu	Ser	Phe	Val	Asp	Phe	Cys	Tyr	Ser	Ser	Val	Ile	Ile	Pro	Lys
65					70					75					80
Met	Leu	Met	Asn	Phe	Ile	Leu	Lys	Lys	Asn	Phe	Ile	Ser	Tyr	Val	Gly
			85						90					95	
Cys	Met	Thr	Gln	Phe	Tyr	Leu	Phe	Gly	Phe	Cys	Val	Ile	Leu	Glu	Cys
			100					105					110		
Tyr	Ile	Leu	Thr	Ser	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Asn
	115						120					125			
Pro	Leu	Leu	Tyr	Asn	Ile	Val	Met	Ser	Pro	Lys	Leu	Cys	Ser	Tyr	Leu
	130					135					140				
Met	Leu	Gly	Ser	Tyr	Leu	Met	Gly	Phe	Ser	Gly	Ala	Met	Ile	His	Thr
145					150					155					160
Gly	Cys	Val	Leu	Arg	Leu	Ser	Phe	Cys	Asp	Gly	Asn	Ile	Ile	Asn	His
				165					170					175	
Tyr	Phe	Cys	Asp	Leu	Leu	Pro	Leu	Leu	Gln	Leu	Ser	Cys	Thr	Ser	Thr
			180					185					190		
Tyr	Val	Asn	Glu	Ile	Glu	Val	Leu	Ile	Val	Ala	Gly	Lys	Asp	Ile	Ile
	195						200					205			
Val	Pro	Thr	Val	Ile	Ile	Phe	Ile	Ser	Tyr	Gly	Phe	Ile	Leu	Ser	Ser
	210					215					220				
Ile	Phe	Gln	Met	Lys	Ser	Thr	Lys	Gly	Met	Ser	Lys	Ala	Phe	Ser	Thr
225					230					235					240
Cys	Ser	Ser	His	Ile	Ile	Ala	Val	Ser	Leu	Phe	Phe	Gly	Ser	Gly	Ala
			245						250					255	
Phe	Met	Tyr	Leu	Lys	Pro	Asn	Ser	Thr	Gly	Thr	Met	Asn	Asn	Gly	Lys
			260					265					270		
Ile	Pro	Ser	Ile	Ile	Tyr	Thr	Ile	Leu	Ile	Pro	Met	Met	Asn	Pro	Leu
		275					280					285			
Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Val	Lys	Val	Ala	Leu	Arg	Lys	Thr

290		295		300
Leu	Arg	Lys	Lys	Ile
305				Leu
				310

<210> 1646
 <211> 316
 <212> PRT
 <213> Mus musculus

<400> 1646

Met	Ala	Leu	Ala	Asn	Gly	Ser	Phe	Val	Thr	Glu	Phe	Ile	Leu	Leu	Gly
1				5					10					15	
Leu	Thr	Asp	Gln	Pro	Asp	Leu	Gln	Met	Pro	Leu	Phe	Leu	Ile	Phe	Leu
			20					25					30		
Ile	Ile	Tyr	Leu	Ile	Thr	Ala	Phe	Gly	Asn	Leu	Thr	Leu	Ile	Ile	Leu
		35					40					45			
Ile	Val	Leu	Asn	Ser	His	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Phe
	50					55					60				
Asn	Leu	Ser	Phe	Ile	Asp	Leu	Cys	Tyr	Ser	Ser	Leu	Ile	Thr	Pro	Lys
65					70				75						80
Met	Leu	Met	Asn	Phe	Val	Leu	Glu	Lys	Asn	Ile	Ile	Ser	Tyr	Met	Gly
			85						90					95	
Cys	Met	Thr	Gln	Phe	Tyr	Phe	Phe	Gly	Phe	Phe	Ala	Ile	Ser	Glu	Cys
			100					105					110		
Tyr	Val	Leu	Thr	Ala	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Asn
		115					120					125			
Pro	Leu	Leu	Tyr	Ser	Val	Ala	Met	Ser	Pro	Lys	Met	Cys	Ser	Tyr	Leu
	130					135					140				
Ile	Leu	Gly	Ser	Tyr	Phe	Met	Gly	Phe	Ser	Gly	Ala	Met	Ile	His	Thr
145					150					155					160
Gly	Cys	Val	Met	Arg	Leu	Thr	Phe	Cys	Asp	Gly	Asn	Thr	Ile	Asn	His
			165						170					175	
Tyr	Phe	Cys	Asp	Leu	Leu	Pro	Leu	Leu	Gln	Leu	Ser	Cys	Thr	Ser	Thr
			180					185					190		
Tyr	Val	Asn	Glu	Ile	Glu	Leu	Phe	Ile	Val	Thr	Gly	Lys	Asp	Ile	Ile
		195					200					205			
Val	Pro	Thr	Val	Ile	Ile	Phe	Ala	Ser	Tyr	Gly	Phe	Ile	Leu	Ser	Asn
	210					215					220				
Ile	Leu	Lys	Ile	Arg	Ser	Thr	Ser	Gly	Arg	Ser	Lys	Ala	Phe	Ser	Thr
225					230					235					240
Cys	Ser	Ser	His	Ile	Ile	Ala	Val	Ser	Met	Phe	Phe	Gly	Ser	Ser	Ala
			245						250				255		
Phe	Met	Tyr	Leu	Lys	Pro	Ser	Ser	Ala	Val	Ser	Met	Asn	Glu	Ala	Lys
			260					265					270		
Phe	Ser	Ser	Ile	Phe	Tyr	Ser	Ile	Val	Val	Pro	Met	Met	Asn	Pro	Leu
		275					280					285			
Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Val	Lys	Val	Gly	Leu	Lys	Lys	Thr
	290				295						300				
Leu	Ser	Arg	Met	Phe	Ser	His	Asn	Leu	Ile	Ser	Leu				
305					310					315					

<210> 1647
 <211> 310
 <212> PRT
 <213> Mus musculus

<400> 1647

Met	Gly	Ser	Glu	Asn	Gly	Ser	Ser	Val	Thr	Glu	Phe	Ile	Leu	Val	Gly
1				5					10					15	
Leu	Thr	Lys	Asp	Pro	Asp	Leu	Gln	Cys	Pro	Leu	Phe	Val	Leu	Phe	Leu
			20					25					30		
Val	Met	Tyr	Val	Leu	Thr	Val	Leu	Gly	Asn	Leu	Ser	Leu	Ile	Thr	Leu
		35					40					45			
Ile	Val	Leu	Asn	Ser	His	Leu	Pro	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Phe
	50					55					60				
Asn	Leu	Ser	Leu	Val	Asp	Phe	Trp	Tyr	Ser	Ser	Val	Phe	Thr	Pro	Lys
65					70					75					80
Met	Leu	Met	Ser	Phe	Ile	Ser	Glu	Lys	Asn	Ile	Ile	Ser	Tyr	Arg	Gly
				85					90					95	
Cys	Met	Ala	Gln	Leu	Phe	Phe	Phe	Ser	Phe	Phe	Cys	Ile	Ser	Glu	Cys
			100					105					110		
Tyr	Val	Leu	Thr	Val	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Asn
		115					120					125			
Pro	Leu	Leu	Tyr	Asn	Ile	Val	Met	Ser	Pro	Lys	Leu	Cys	Leu	Asn	Leu
	130					135					140				
Ile	Leu	Gly	Ser	Tyr	Ile	Met	Ala	Phe	Ser	Gly	Ala	Met	Ala	His	Thr
145					150					155					160
Gly	Cys	Met	Leu	Arg	Leu	Thr	Phe	Cys	Asp	Ala	Asn	Thr	Ile	Asn	His
				165					170					175	
Tyr	Phe	Cys	Asp	Ile	His	Pro	Leu	Leu	Gln	Leu	Ser	Cys	Thr	Ser	Ile
			180					185					190		
Tyr	Val	Asn	Glu	Leu	Glu	Val	Phe	Val	Val	Ile	Gly	Ile	Asn	Ile	Ile
		195					200					205			
Val	Pro	Thr	Ile	Thr	Ile	Phe	Ile	Ser	Tyr	Gly	Phe	Ile	Leu	Ser	Ser
	210					215					220				
Ile	Phe	His	Ile	Ser	Ser	Lys	Glu	Gly	Arg	Ser	Lys	Ala	Phe	Ser	Thr
225					230					235					240
Cys	Ser	Ser	His	Ile	Ile	Ala	Val	Ser	Leu	Phe	Phe	Gly	Ser	Gly	Ala
				245					250					255	
Phe	Met	Tyr	Leu	Lys	Pro	Ser	Ser	Ala	Glu	Ser	Met	Asn	Glu	Ser	Lys
			260					265					270		
Val	Ser	Ser	Val	Phe	Tyr	Thr	Asn	Thr	Val	Pro	Leu	Leu	Asn	Pro	Leu
		275					280					285			
Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Val	Lys	Ile	Ala	Leu	Ile	Lys	Thr
	290					295					300				
Leu	Ser	Lys	Arg	Lys	Cys										
305					310										

<210> 1648

<211> 310

<212> PRT

<213> Mus musculus

<400> 1648

Met	Asp	Ser	Val	Asn	Ile	Ser	Leu	Val	Thr	Glu	Phe	Ile	Leu	Val	Gly
1				5					10					15	
Leu	Thr	Asp	Lys	Pro	Tyr	Leu	Gln	Ile	Pro	Leu	Phe	Phe	Ile	Phe	Leu
			20					25					30		
Ala	Met	Tyr	Leu	Val	Thr	Ala	Leu	Gly	Asn	Leu	Ser	Leu	Ile	Ile	Leu
		35					40					45			
Thr	Val	Leu	Asn	Ser	His	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Phe
	50					55					60				
Asn	Leu	Ser	Phe	Val	Asp	Phe	Cys	Tyr	Ser	Ser	Val	Phe	Thr	Pro	Gln
65					70					75					80
Met	Leu	Met	Asn	Phe	Ile	Thr	Arg	Lys	Asn	Thr	Ile	Ser	Tyr	Met	Glu

Tyr	Phe	Cys	Asp	Val	Leu	Pro	Leu	Leu	Asn	Leu	Ser	Cys	Ser	Asn	Thr
			180						185				190		
His	Leu	Asn	Glu	Leu	Leu	Leu	Phe	Ile	Ile	Gly	Gly	Phe	Asn	Thr	Leu
		195					200					205			
Val	Pro	Thr	Leu	Ala	Val	Ala	Ile	Ser	Tyr	Val	Phe	Ile	Phe	Cys	Ser
	210					215					220				
Ile	Leu	His	Ile	Lys	Ser	Ser	Lys	Gly	Arg	Ser	Lys	Ser	Phe	Gly	Thr
225				230						235					240
Cys	Ser	Ser	His	Leu	Met	Ala	Val	Gly	Ile	Phe	Phe	Gly	Ser	Ile	Thr
			245						250					255	
Phe	Met	Tyr	Phe	Lys	Pro	Ser	Ser	Ser	Asn	Ser	Leu	Glu	Gln	Glu	Lys
			260					265					270		
Val	Ser	Ser	Val	Phe	Tyr	Thr	Thr	Val	Ile	Pro	Met	Leu	Asn	Pro	Leu
		275					280					285			
Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Val	Lys	Lys	Ala	Leu	Gly	Arg	Phe
	290					295					300				
Phe	Val	Gly	Arg												
305															

<210> 1650

<211> 313

<212> PRT

<213> Mus musculus

<400> 1650

Met	Ala	Leu	Val	Asn	Gly	Ser	Thr	Val	Thr	Glu	Phe	Ile	Leu	Leu	Gly
1				5					10					15	
Leu	Thr	Asp	Gln	Pro	Gly	Leu	Gln	Met	Pro	Leu	Phe	Leu	Leu	Phe	Leu
			20					25					30		
Leu	Met	Tyr	Met	Ile	Thr	Val	Phe	Gly	Asn	Leu	Thr	Leu	Ile	Phe	Leu
		35					40					45			
Ile	Leu	Leu	Asn	Ser	His	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Leu
	50					55					60				
Asn	Leu	Ser	Phe	Val	Asp	Leu	Cys	Tyr	Ser	Ser	Val	Ile	Thr	Pro	Lys
65					70					75					80
Met	Leu	Met	Asn	Phe	Ile	Leu	Lys	Lys	Asn	Leu	Ile	Ser	Tyr	Met	Gly
			85						90					95	
Cys	Met	Ser	Gln	Leu	Tyr	Phe	Phe	Cys	Phe	Phe	Ile	Ile	Ser	Glu	Cys
			100					105					110		
Tyr	Val	Leu	Val	Ser	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Asn
		115					120					125			
Pro	Leu	Leu	Tyr	Asn	Thr	Ala	Met	Ser	Pro	Arg	Val	Cys	Ser	Tyr	Leu
	130					135					140				
Met	Leu	Gly	Ser	Tyr	Leu	Met	Gly	Phe	Phe	Asp	Ala	Met	Ile	His	Thr
145					150					155					160
Gly	Cys	Met	Leu	Arg	Leu	Ser	Phe	Cys	Asp	Gly	Asn	Ile	Ile	Asn	His
			165						170					175	
Tyr	Phe	Cys	Asp	Val	Leu	Pro	Leu	Leu	Gln	Leu	Ser	Cys	Thr	Ser	Thr
			180					185					190		
Tyr	Val	Asn	Glu	Thr	Glu	Ile	Phe	Ile	Val	Gly	Gly	Lys	Asp	Ile	Ile
		195					200					205			
Leu	Pro	Ser	Ala	Ile	Ile	Phe	Phe	Ser	Tyr	Gly	Phe	Ile	Leu	Ser	Asn
	210					215					220				
Ile	Phe	Gln	Ile	Arg	Ser	Thr	Leu	Gly	Arg	Ser	Lys	Ala	Phe	Ser	Thr
225					230					235					240
Cys	Ser	Ser	His	Ile	Ile	Ala	Val	Ser	Leu	Phe	Phe	Gly	Ser	Cys	Gly
			245						250					255	
Phe	Met	Tyr	Leu	Lys	Pro	Ser	Ser	Ala	Val	Ser	Ile	Asp	Gln	Gly	Lys

<212> PRT

<213> Mus musculus

<400> 1652

Met	Met	Gln	Ala	Asn	Gln	Thr	Gln	Val	Thr	Glu	Phe	Ile	Leu	Leu	Gly
1				5					10					15	
Leu	Ser	Asp	Asp	Pro	His	Thr	Gln	Lys	Leu	Leu	Phe	Ile	Leu	Phe	Leu
			20					25					30		
Gly	Ile	Tyr	Met	Val	Thr	Val	Leu	Gly	Asn	Leu	Leu	Leu	Met	Phe	Leu
		35					40					45			
Val	Arg	Ala	Asp	Ser	Arg	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Cys
	50					55					60				
Asn	Leu	Ser	Leu	Ala	Asp	Leu	Cys	Phe	Ser	Thr	Asn	Ile	Val	Pro	Gln
65					70					75					80
Ala	Leu	Ile	His	Leu	Leu	Ser	Arg	Lys	Lys	Thr	Ile	Ser	Phe	Arg	Arg
			85						90					95	
Cys	Ala	Ala	Gln	Leu	Leu	Leu	Phe	Leu	Ile	Phe	Gly	Cys	Thr	Gln	Cys
			100					105					110		
Ala	Leu	Leu	Ala	Val	Met	Ser	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Asn
		115					120					125			
Pro	Leu	His	Tyr	Ser	Ser	Ile	Met	Thr	Trp	Arg	Val	Cys	Ile	Gln	Leu
	130					135					140				
Ala	Thr	Val	Ser	Trp	Thr	Ser	Gly	Ile	Leu	Val	Ser	Val	Val	Asp	Thr
145					150					155					160
Thr	Phe	Thr	Leu	Arg	Leu	Pro	Tyr	Arg	Gly	Ser	Asn	Ser	Ile	Ala	His
				165					170					175	
Phe	Phe	Cys	Glu	Ala	Pro	Ala	Leu	Leu	Ala	Leu	Ala	Ser	Thr	Asp	Thr
			180					185					190		
Gln	Thr	Ser	Glu	Met	Ala	Ile	Phe	Leu	Met	Gly	Val	Val	Ile	Leu	Leu
		195					200					205			
Ile	Pro	Val	Ser	Leu	Ile	Leu	Val	Ser	Tyr	Gly	His	Ile	Ile	Val	Thr
	210					215					220				
Val	Val	Lys	Met	Lys	Ser	Ala	Ala	Gly	Arg	Phe	Lys	Ala	Phe	Ser	Thr
225					230					235					240
Cys	Gly	Ser	His	Leu	Met	Val	Val	Ile	Leu	Phe	Tyr	Gly	Ser	Ala	Ile
			245						250					255	
Ile	Thr	Tyr	Met	Thr	Pro	Lys	Ser	Ser	Lys	Glu	Gln	Glu	Lys	Leu	Val
		260					265						270		
Ser	Val	Phe	Tyr	Ala	Met	Val	Thr	Pro	Met	Leu	Asn	Pro	Leu	Ile	Tyr
		275					280					285			
Ser	Leu	Arg	Asn	Lys	Asp	Val	Lys	Gly	Ala	Leu	Trp	Lys	Val	Ala	Met
	290				295						300				
Lys	Asn	Phe	Ser	Ser	Arg	Leu	Arg	Ile	Thr	His					
305					310					315					

<210> 1653

<211> 309

<212> PRT

<213> Mus musculus

<400> 1653

Met	Gly	Ile	Glu	Asn	Thr	Thr	Leu	Leu	Thr	Glu	Phe	Val	Leu	Thr	Gly
1				5					10					15	
Leu	Ser	His	Leu	Pro	Gln	Trp	Lys	Ile	Pro	Leu	Phe	Leu	Leu	Phe	Leu
			20					25					30		
Val	Ile	Tyr	Leu	Ile	Thr	Ile	Val	Gly	Asn	Leu	Gly	Leu	Ile	Thr	Leu
		35					40					45			
Ile	Trp	Asn	Asp	Pro	His	Leu	His	Ile	Pro	Met	Tyr	Phe	Phe	Leu	Gly

50		55		60											
Ser	Leu	Ala	Phe	Val	Asp	Thr	Trp	Leu	Ser	Ser	Thr	Val	Thr	Pro	Lys
65					70					75					80
Met	Leu	Leu	Asp	Ile	Phe	Ser	Lys	Ser	Lys	Leu	Ile	Ser	Phe	Ser	Glu
			85						90					95	
Cys	Met	Ile	Gln	Phe	Phe	Ser	Phe	Gly	Ile	Ser	Ala	Thr	Thr	Glu	Cys
			100					105					110		
Phe	Leu	Leu	Ala	Ser	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Lys
			115					120					125		
Pro	Leu	Leu	Tyr	Pro	Val	Ile	Met	Thr	Asn	Arg	Leu	Cys	Val	Arg	Leu
			130					135					140		
Leu	Thr	Leu	Ser	Phe	Val	Gly	Gly	Phe	Ile	His	Val	Leu	Ile	His	Glu
145					150					155					160
Ser	Phe	Leu	Phe	Arg	Leu	Thr	Phe	Cys	Asn	Ser	Asn	Ile	Ile	His	His
			165						170					175	
Phe	Tyr	Cys	Asp	Val	Met	Pro	Leu	Leu	Lys	Ile	Ser	Cys	Asn	Asp	Pro
			180					185					190		
Ser	Leu	Asn	Tyr	Leu	Met	Leu	Phe	Ile	Phe	Ser	Gly	Ser	Ile	Gln	Val
			195					200					205		
Phe	Ser	Ile	Leu	Thr	Ile	Leu	Ile	Ser	Tyr	Thr	Leu	Val	Leu	Phe	Ser
			210					215				220			
Ile	Leu	Lys	Gln	Lys	Ser	Leu	Lys	Ser	Ile	Lys	Lys	Ala	Phe	Ser	Thr
225					230					235					240
Cys	Gly	Ala	His	Leu	Leu	Ser	Val	Ser	Leu	Tyr	Tyr	Gly	Ser	Leu	Leu
			245						250					255	
Phe	Met	Tyr	Val	Arg	Pro	Ala	Ser	Pro	Gln	Val	Asp	Asp	Gln	Asp	Met
			260					265					270		
Met	Asp	Ser	Ile	Phe	Tyr	Thr	Val	Ile	Ile	Pro	Val	Leu	Asn	Pro	Ile
			275					280					285		
Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Gln	Val	Lys	Asn	Ser	Leu	Glu	Lys	Phe
			290			295					300				
Leu	Lys	Arg	Asn	Thr											
305															

<210> 1654
 <211> 308
 <212> PRT
 <213> Mus musculus

<400> 1654
Met Gly Tyr Gly Asn Leu Thr Glu Phe Ile Leu Leu Gly Leu Phe His
1 5 10 15
Asn Glu Asp Val Lys Ala Ile Cys Ala Val Leu Phe Leu Leu Cys Tyr
20 25 30
Leu Ala Ile Leu Cys Gly Asn Leu Val Val Leu Leu Thr Ile Lys Gly
35 40 45
Ser Gln Leu Ser Glu Gln Pro Met Tyr Phe Phe Leu Ser Tyr Leu Ser
50 55 60
Phe Met Asp Val Cys Phe Thr Ser Thr Val Ala Pro Lys Phe Ile Ile
65 70 75 80
Gly Leu Leu Val Gln Cys Asn Thr Ile Ser Tyr Asn Gly Cys Ile Ala
85 90 95
Gln Met Phe Tyr Ala His Phe Phe Gly Ala Thr Glu Ile Phe Ile Leu
100 105 110
Val Val Met Ala Tyr Asp Arg Tyr Val Ala Ile Cys Arg Pro Leu Tyr
115 120 125
Tyr Met Ile Thr Met Ser Arg Gln Val Cys Tyr Ile Leu Val Ile Gly
130 135 140

Ser	Val	Phe	Gly	Ala	Phe	Ile	His	Ser	Leu	Val	His	Val	Leu	Val	Ile
145					150					155					160
Ile	Arg	Leu	Pro	Phe	Cys	Gly	Ser	Asn	Glu	Ile	Asp	His	Tyr	Phe	Cys
				165					170					175	
Asp	Ile	Phe	Pro	Leu	Leu	Lys	Leu	Ala	Cys	Thr	Asp	Thr	Arg	Leu	Leu
			180					185					190		
Val	Ile	Val	Ile	Ile	Thr	Thr	Thr	Gly	Val	Met	Ser	Ile	Leu	Thr	Phe
		195					200					205			
Val	Ala	Leu	Val	Ile	Ser	Tyr	Ile	Ile	Ile	Leu	Ser	Ile	Leu	Arg	Thr
	210					215					220				
Arg	Ser	Ser	Glu	Ser	Arg	Arg	Lys	Ala	Leu	Ser	Thr	Cys	Gly	Ser	His
225					230					235					240
Ile	Thr	Val	Val	Phe	Met	Phe	Phe	Leu	Pro	Leu	Ile	Phe	Thr	Tyr	Val
				245					250					255	
Pro	Met	Gly	Asp	Ser	Val	Gly	Asp	Asp	Lys	Val	Phe	Ala	Leu	Phe	Tyr
			260					265					270		
Thr	Met	Ile	Ala	Pro	Leu	Phe	Asn	Pro	Leu	Ile	Tyr	Thr	Leu	Arg	Asn
		275					280					285			
Thr	Asp	Met	Lys	Asn	Ala	Met	Arg	Lys	Val	Trp	Cys	Gln	Asp	Lys	Leu
	290					295					300				
Phe	Glu	Gly	Lys												
305															

<210> 1655

<211> 318

<212> PRT

<213> Mus musculus

<400> 1655

Met	Lys	Asn	Gln	Ser	Leu	Glu	Val	Val	Phe	Val	Leu	Leu	Gly	Leu	Thr
1				5					10					15	
Gly	Asp	Pro	Gln	Leu	Gln	Ile	Leu	Ile	Phe	Leu	Phe	Leu	Phe	Phe	Asn
			20					25					30		
Tyr	Ile	Leu	Ser	Leu	Met	Gly	Asn	Leu	Val	Ile	Ile	Leu	Leu	Thr	Leu
		35					40					45			
Leu	Asp	Pro	His	Leu	Lys	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Arg	Asn	Phe
	50					55					60				
Ser	Phe	Leu	Glu	Ile	Ala	Phe	Thr	Thr	Val	Cys	Ile	Pro	Arg	Phe	Leu
65					70					75					80
Thr	Ser	Ile	Leu	Leu	Gly	Glu	Lys	Met	Ile	Leu	Tyr	Asn	Ala	Cys	Val
			85						90					95	
Ala	Gln	Leu	Phe	Phe	Phe	Phe	Leu	Leu	Gly	Ala	Thr	Glu	Phe	Tyr	Leu
			100					105					110		
Leu	Ala	Ala	Met	Ser	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Arg	Pro	Leu
		115				120						125			
His	Tyr	Pro	Ile	Ile	Met	Asn	Ser	Lys	Val	Cys	His	Leu	Leu	Val	Leu
	130					135					140				
Ser	Ser	Trp	Val	Thr	Gly	Phe	Phe	Val	Ile	Leu	Pro	Pro	Leu	Leu	Leu
145					150					155					160
Gly	Leu	Lys	Leu	Asp	Phe	Cys	Ala	Ser	Lys	Thr	Val	Asp	His	Phe	Leu
				165					170					175	
Cys	Asp	Thr	Ser	Val	Leu	Gln	Leu	Ser	Cys	Thr	Asp	Thr	Arg	Leu	Ile
			180					185					190		
Glu	Leu	Met	Ala	Phe	Ala	Leu	Ala	Ile	Met	Thr	Leu	Ile	Ile	Thr	Leu
		195					200					205			
Ile	Leu	Val	Leu	Phe	Ser	Tyr	Thr	Leu	Ile	Ile	Lys	Thr	Ile	Leu	Lys
	210					215					220				
Phe	Pro	Ser	Ala	Gln	Gln	Arg	Lys	Lys	Ala	Phe	Ser	Thr	Cys	Ser	Ser

<210> 1657
 <211> 310
 <212> PRT
 <213> Mus musculus

<400> 1657
 Met Glu Ala Glu Asn His Thr Thr Val Ala Glu Leu Ile Ile Leu Gly
 1 5 10 15
 Leu Thr Glu Asp Pro Lys Leu Cys Ile Val Phe Phe Val Ile Phe Leu
 20 25 30
 Gly Val Tyr Ile Val Thr Leu Val Gly Asn Ile Ser Ile Ile Thr Leu
 35 40 45
 Ile Arg Ile Ser Ser Gln Leu His Thr Pro Met Tyr Leu Phe Leu Ser
 50 55 60
 His Leu Ala Phe Val Asp Ile Leu Tyr Ser Thr Ser Val Ser Val Ile
 65 70 75 80
 Met His Met Glu Leu Leu Gly His Gly Leu Ala Leu Pro Val Ala Ala
 85 90 95
 Cys Ala Ala Gln Leu Cys Ile Thr Val Ser Phe Gly Ser Ala Glu Cys
 100 105 110
 Phe Leu Leu Ala Ala (Met Ala Tyr Asp Arg Tyr Val Ala Ile Cys Ser
 115 120 125
 Pro Leu Leu Tyr Ser Thr Leu Met Ser Pro Arg Val Cys Phe Leu Leu
 130 135 140
 Leu Gly Met Ser Tyr Val Gly Gly Cys Met Asn Gly Trp Thr Phe Thr
 145 150 155 160
 Gly Cys Leu Leu Ser Leu Ser Phe Cys Gly Pro Asn Gln Ile Asp His
 165 170 175
 Phe Phe Cys Asp Phe Ser Pro Leu Leu Lys Leu Ser Cys Ser Asp Val
 180 185 190
 Ser Ile Ile Gly Ile Ile Pro Ser Ile Ser Ser Gly Ser Ile Ile Val
 195 200 205
 Val Thr Val Phe Val Ile Ala Val Ser Tyr Ile Tyr Ile Leu Ile Thr
 210 215 220
 Ile Leu Asn Met Arg Ser Thr Glu Gly Arg His Lys Ala Phe Ser Thr
 225 230 235 240
 Cys Thr Ser His Leu Thr Ala Val Thr Leu Tyr Tyr Gly Thr Ile Thr
 245 250 255
 Phe Ile Tyr Val Met Pro Lys Ser Asn Tyr Ser Thr Glu Gln Asn Lys
 260 265 270
 Val Leu Ser Val Phe Tyr Thr Val Val Ile Pro Met Leu Asn Pro Leu
 275 280 285
 Ile Tyr Ser Leu Arg Asn Arg Asp Val Lys Glu Ala Leu Arg Lys Ala
 290 295 300
 Thr Val Arg Val Tyr Ser
 305 310

<210> 1658
 <211> 310
 <212> PRT
 <213> Mus musculus

<400> 1658
 Met Glu Ala Glu Asn His Thr Thr Val Ala Glu Leu Ile Ile Leu Gly
 1 5 10 15
 Leu Thr Glu Asp Pro Lys Leu Cys Ile Val Phe Phe Val Ile Phe Leu

Phe	Leu	Leu	Ala	Ala	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Ser
		115						120				125			
Pro	Leu	Leu	Tyr	Ala	Thr	Gln	Met	Ser	Ser	Thr	Val	Cys	Ile	Leu	Leu
		130				135					140				
Val	Gly	Ala	Ser	Tyr	Leu	Gly	Gly	Cys	Val	Asn	Ala	Trp	Thr	Phe	Thr
145					150					155					160
Gly	Cys	Leu	Leu	Asn	Leu	Ser	Phe	Cys	Arg	Pro	Asn	Lys	Val	Asn	His
				165					170					175	
Phe	Phe	Cys	Asp	Tyr	Ser	Pro	Leu	Leu	Lys	Ile	Ser	Cys	Ser	His	Asp
			180					185					190		
Phe	Ser	Ser	Glu	Val	Ile	Pro	Ala	Ile	Ser	Ser	Gly	Ser	Ile	Ile	Val
		195					200					205			
Val	Thr	Val	Phe	Ile	Ile	Ala	Leu	Ser	Tyr	Val	Tyr	Ile	Leu	Val	Ser
		210				215					220				
Ile	Leu	Lys	Met	Arg	Ser	Thr	Glu	Gly	Arg	Gln	Lys	Ala	Phe	Ser	Thr
225					230					235					240
Cys	Thr	Ser	His	Leu	Thr	Ala	Val	Thr	Leu	Phe	Tyr	Gly	Thr	Ile	Thr
				245					250					255	
Phe	Ile	Tyr	Val	Met	Pro	Lys	Ser	Ser	Tyr	Ser	Thr	Asp	Gln	Asn	Lys
			260					265					270		
Val	Val	Ser	Val	Phe	Tyr	Thr	Val	Val	Ile	Pro	Met	Leu	Asn	Pro	Ile
		275					280					285			
Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Val	Lys	Glu	Ala	Met	Lys	Lys	Leu
	290				295						300				
Met	Ala	Asn	Thr	His	His										
305					310										

<210> 1660

<211> 306

<212> PRT

<213> Mus musculus

<400> 1660

Met	Met	Asn	Lys	Asn	Asn	Val	Thr	Glu	Phe	Ile	Leu	Leu	Gly	Val	Thr
1				5					10					15	
Arg	Asp	Pro	Glu	Leu	Arg	Lys	Ile	Leu	Ser	Val	Leu	Phe	Leu	Ile	Met
		20						25					30		
Tyr	Met	Ala	Thr	Val	Phe	Gly	Asn	Leu	Leu	Ile	Val	Val	Thr	Ile	Thr
		35				40						45			
Arg	Ser	Pro	Ser	Leu	Arg	Ser	Pro	Met	Tyr	Phe	Phe	Leu	Leu	Ser	Leu
		50				55					60				
Ser	Leu	Met	Asp	Val	Thr	Tyr	Ser	Ser	Val	Ile	Ala	Pro	Lys	Leu	Ile
65				70					75					80	
Met	Asp	Ser	Leu	Ser	Glu	Arg	Thr	Ile	Val	Ser	Phe	Glu	Arg	Cys	Met
			85					90					95		
Thr	Gln	Leu	Phe	Ala	Glu	His	Phe	Phe	Gly	Gly	Val	Gly	Ile	Ile	Leu
		100						105					110		
Leu	Ile	Val	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Lys	Pro	Leu
		115				120						125			
His	Tyr	Val	Lys	Met	Met	Thr	Pro	Arg	Val	Cys	Cys	Leu	Met	Val	Gly
	130					135					140				
Gly	Ala	Trp	Val	Gly	Gly	Ser	Met	His	Ala	Thr	Ile	Gln	Leu	Leu	Phe
145				150						155					160
Met	Tyr	Gln	Ile	Pro	Phe	Cys	Ser	Ser	Asn	Ile	Ile	Asp	His	Phe	Met
				165					170					175	
Cys	Asp	Leu	Phe	Pro	Leu	Leu	Lys	Leu	Ala	Cys	Met	Asp	Thr	His	Ile
		180						185				190			
Leu	Gly	Leu	Leu	Val	Ile	Leu	Asn	Ser	Gly	Val	Met	Cys	Val	Ser	Ile

Leu	Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Val	Lys	Glu	Thr	Val	Arg	Lys
290						295					300				
Leu	Ile	His	Met	Lys	Ile	Leu	Ser	Gln	Ser	Leu					
305					310					315					

<210> 1662
 <211> 312
 <212> PRT
 <213> Mus musculus

<400> 1662

Met	Gly	Ile	Trp	Asn	His	Thr	Ser	Val	Lys	Glu	Phe	Ile	Leu	Ile	Gly
1				5					10					15	
Leu	Thr	Glu	Asn	Pro	Asn	Trp	Gln	Val	Pro	Leu	Phe	Phe	Leu	Phe	Cys
			20				25						30		
Ile	Val	Tyr	Phe	Ile	Ile	Leu	Val	Gly	Asn	Trp	Gly	Met	Ile	Ile	Leu
		35				40					45				
Ile	Trp	Leu	Asn	Ala	Gln	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Ser
	50				55					60					
Asn	Leu	Ser	Phe	Cys	Asp	Ile	Cys	Tyr	Ser	Thr	Ile	Ile	Ala	Pro	Lys
65					70				75						80
Met	Leu	Ile	Asn	Phe	Leu	Ser	Glu	His	Lys	Ser	Thr	Arg	Leu	Phe	Ala
			85						90					95	
Cys	Ile	Leu	Gln	Ser	Phe	Phe	Phe	Ala	Val	Tyr	Val	Thr	Thr	Glu	Val
			100					105					110		
Ile	Phe	Leu	Ser	Met	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Ala	Asn
	115					120						125			
Pro	Leu	Met	Tyr	Thr	Val	Ile	Met	Thr	Asn	Asn	Ile	Cys	Thr	Gln	Met
	130					135					140				
Val	Leu	Ala	Ser	Tyr	Leu	Gly	Gly	Leu	Ile	Asn	Ser	Met	Ile	His	Thr
145					150					155					160
Ile	Gly	Leu	Leu	Lys	Leu	Asp	Phe	Cys	Gly	Pro	Asn	Ile	Val	Asn	His
				165					170					175	
Phe	Phe	Cys	Asp	Val	Pro	Pro	Leu	Leu	Lys	Leu	Ala	Cys	Ser	Asp	Ala
			180					185					190		
His	Ile	Asn	Glu	Met	Leu	Leu	Leu	Val	Phe	Ser	Gly	Val	Phe	Ala	Ile
	195						200					205			
Ser	Thr	Phe	Ile	Ile	Val	Met	Val	Ser	Tyr	Ile	His	Ile	Ile	Ile	Ala
	210					215					220				
Ile	Leu	Arg	Ile	Arg	Ser	Ala	Glu	Gly	Arg	Arg	Lys	Ala	Phe	Ser	Thr
225					230				235						240
Cys	Ala	Ser	His	Leu	Thr	Ala	Val	Ala	Leu	Phe	Tyr	Gly	Ser	Leu	Thr
			245						250					255	
Phe	Asn	Tyr	Ile	Gln	Pro	Ser	Ser	Gln	Tyr	Ser	Met	Glu	Gln	Glu	Lys
		260						265					270		
Leu	Ser	Ala	Val	Phe	Tyr	Thr	Leu	Val	Ile	Pro	Met	Leu	Asn	Pro	Leu
	275						280					285			
Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Val	Lys	Glu	Ala	Ala	Lys	Lys	Leu
	290					295					300				
Ile	Cys	Gly	Glu	Arg	Asn	Ala	Pro								
305					310										

<210> 1663
 <211> 312
 <212> PRT
 <213> Mus musculus

<400> 1663

Met	Ala	Ile	Trp	Asn	His	Thr	Gly	Val	Ser	Glu	Phe	Ile	Leu	Val	Gly
1				5					10					15	
Leu	Thr	Glu	Asn	Pro	Asn	Trp	Gln	Val	Pro	Leu	Phe	Leu	Leu	Phe	Ser
			20					25					30		
Val	Val	Tyr	Phe	Ile	Ile	Leu	Val	Gly	Asn	Trp	Gly	Met	Ile	Ile	Leu
		35					40					45			
Ile	Trp	Leu	Asn	Ala	Gln	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Ser
	50				55						60				
Asn	Leu	Ser	Phe	Cys	Asp	Ile	Cys	Tyr	Ser	Thr	Ile	Ile	Ala	Pro	Lys
65					70					75					80
Met	Leu	Leu	Asn	Phe	Leu	Ser	Glu	His	Lys	Ser	Ser	Thr	Phe	Phe	Ala
				85					90						95
Cys	Ile	Leu	Gln	Ser	Phe	Phe	Phe	Ala	Val	Tyr	Val	Thr	Thr	Glu	Val
			100					105					110		
Ile	Leu	Leu	Ser	Met	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Ala	Asn
		115					120					125			
Pro	Leu	Met	Tyr	Thr	Val	Ile	Met	Thr	His	Asn	Ile	Cys	Thr	Gln	Met
		130				135					140				
Val	Leu	Ala	Ser	Tyr	Leu	Gly	Gly	Leu	Ile	Asn	Ser	Met	Ile	His	Thr
145					150					155					160
Ile	Gly	Leu	Leu	Lys	Leu	Asp	Phe	Cys	Gly	Pro	Asn	Ile	Val	Asn	His
				165					170					175	
Phe	Phe	Cys	Asp	Val	Pro	Pro	Leu	Leu	Lys	Leu	Ala	Cys	Ser	Asp	Ala
			180					185					190		
His	Ile	Asn	Glu	Met	Leu	Leu	Leu	Val	Phe	Ser	Gly	Met	Ile	Ala	Ile
		195					200					205			
Phe	Thr	Phe	Ile	Ile	Ile	Met	Val	Ser	Tyr	Ile	His	Ile	Ile	Ile	Ala
	210					215					220				
Ile	Leu	Arg	Ile	Arg	Ser	Ala	Glu	Gly	Arg	Arg	Lys	Ala	Phe	Ser	Thr
225					230					235					240
Cys	Ala	Ser	His	Leu	Thr	Ala	Val	Thr	Leu	Phe	Tyr	Gly	Ser	Leu	Thr
				245					250					255	
Phe	Asn	Tyr	Ile	Gln	Pro	Ser	Ser	Gln	Tyr	Ser	Met	Glu	Gln	Glu	Lys
			260					265					270		
Leu	Ser	Ala	Met	Phe	Tyr	Thr	Leu	Val	Ile	Pro	Met	Leu	Asn	Pro	Leu
		275					280					285			
Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Val	Lys	Glu	Ala	Ala	Lys	Arg	Leu
	290					295					300				
Ile	Cys	Arg	Glu	Ser	Ser	Thr	Ser								
305					310										

<210> 1664

<211> 312

<212> PRT

<213> Mus musculus

<400> 1664

Met	Asn	Thr	Leu	Asn	Tyr	Thr	Phe	Lys	Pro	Asp	Phe	Ile	Leu	Met	Gly
1				5					10					15	
Leu	Thr	Asp	Ser	Lys	Glu	Val	Gln	Leu	Val	Leu	Ser	Val	Leu	Phe	Leu
			20					25					30		
Leu	Ile	Tyr	Leu	Val	Thr	Val	Leu	Gly	Asn	Ile	Gly	Met	Ile	Leu	Ile
		35					40					45			
Ile	Arg	Leu	Asp	Val	Gln	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Thr
	50				55						60				
His	Leu	Ser	Phe	Leu	Asp	Leu	Ser	Tyr	Ser	Thr	Val	Ile	Thr	Pro	Lys
65					70					75					80

Thr	Leu	Glu	Asn	Leu	Leu	Thr	Ser	Thr	Lys	Asn	Ile	Ser	Phe	Met	Gly
			85						90					95	
Cys	Phe	Thr	Gln	Met	Tyr	Phe	Phe	Val	Leu	Leu	Ala	Ala	Thr	Glu	Cys
			100					105					110		
Phe	Leu	Leu	Ser	Ser	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Lys
		115					120					125			
Pro	Leu	His	Tyr	Ser	Val	Ile	Met	Ser	Lys	Arg	Phe	Cys	Ser	Ala	Leu
	130					135					140				
Leu	Thr	Gly	Ser	Tyr	Val	Phe	Gly	Ala	Val	Asp	Ser	Thr	Val	Asn	Met
145					150					155					160
Leu	Cys	Met	Gly	Thr	Leu	Asp	Phe	Cys	Asn	Ser	Asn	Val	Ile	His	Asp
			165						170					175	
Phe	Phe	Cys	Asp	Thr	Ser	Pro	Leu	Ile	Ala	Leu	Ser	Cys	Ser	Asn	Thr
			180					185					190		
His	Asp	Ile	Glu	Phe	Ile	Ile	Phe	Ile	Phe	Ala	Gly	Ser	Thr	Leu	Leu
		195					200					205			
Leu	Ser	Leu	Ile	Thr	Ile	Ser	Ala	Ser	Tyr	Leu	Ser	Ile	Leu	Ser	Thr
	210					215					220				
Ile	Leu	Lys	Ile	Ser	Ser	Thr	Ser	Gly	Lys	Gln	Lys	Ala	Phe	Ser	Thr
225					230					235					240
Cys	Ala	Ser	His	Ile	Leu	Ala	Val	Thr	Ile	Phe	Tyr	Gly	Thr	Met	Ile
			245							250				255	
Phe	Thr	His	Leu	Lys	Ser	Asn	Lys	Ser	Phe	Ser	Leu	Gly	Lys	Asp	Gln
			260					265					270		
Val	Ala	Ser	Val	Phe	Tyr	Thr	Ile	Val	Ile	Pro	Met	Leu	Asn	Pro	Leu
		275					280					285			
Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Glu	Val	Lys	Cys	Ala	Ile	Asp	Arg	Ile
	290					295					300				
Ile	Lys	Lys	Arg	Glu	Lys	Gly	Leu								
305					310										

<210> 1665

<211> 310

<212> PRT

<213> Mus musculus

<400> 1665

Met	Thr	Glu	Asn	Asn	Phe	Thr	Lys	Val	Thr	Val	Phe	Met	Phe	Ser	Gly
1				5					10					15	
Phe	Ser	Asp	His	Pro	Glu	Leu	Gln	Val	Ser	Leu	Phe	Leu	Ile	Phe	Leu
			20					25					30		
Phe	Ile	Tyr	Leu	Phe	Thr	Val	Trp	Gly	Asn	Ile	Gly	Leu	Ile	Leu	Leu
		35					40					45			
Ile	Arg	Ile	Asp	Ser	Gln	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Ser
		50				55					60				
Asn	Leu	Ala	Phe	Ile	Asp	Ile	Phe	Tyr	Ser	Ser	Thr	Val	Thr	Pro	Lys
65					70					75					80
Ala	Leu	Val	Asp	Phe	Gln	Ser	Thr	Gln	Lys	Ser	Ile	Ser	Phe	Val	Gly
			85						90					95	
Cys	Phe	Val	Gln	Met	Tyr	Phe	Phe	Val	Gly	Leu	Val	Cys	Ser	Glu	Cys
			100					105					110		
Phe	Leu	Leu	Gly	Ser	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Asn
		115					120					125			
Pro	Leu	Leu	Tyr	Ser	Val	Ile	Met	Ser	Gln	Lys	Val	Cys	Asn	Trp	Leu
	130					135					140				
Ala	Val	Ile	Pro	Tyr	Met	Ile	Gly	Phe	Thr	Asn	Ser	Leu	Ile	Ser	Ile
145					150					155					160
Cys	Val	Ile	Ser	Ser	Leu	Pro	Leu	Cys	Asp	Pro	Tyr	Ile	Asn	His	Phe

				165					170				175				
Phe	Cys	Asp	Thr	Thr	Ala	Leu	Leu	Ala	Leu	Ser	Cys	Val	Asp	Ala	Phe		
			180					185					190				
Ser	Thr	Glu	Leu	Val	Ile	Phe	Val	Leu	Ala	Gly	Phe	Thr	Leu	Leu	Ser		
		195					200					205					
Ser	Leu	Leu	Ile	Ile	Thr	Phe	Thr	Tyr	Val	Thr	Ile	Ile	Ser	Ala	Ile		
	210					215					220						
Leu	Arg	Ile	Gln	Ser	Ala	Ala	Gly	Arg	Trp	Lys	Ala	Phe	Ser	Thr	Cys		
225					230					235					240		
Ala	Ser	His	Leu	Thr	Gly	Val	Thr	Val	Phe	Tyr	Gly	Ser	Leu	Ile	Phe		
			245						250					255			
Thr	Tyr	Leu	Gln	Pro	Asp	Asn	Thr	Ser	Ser	Leu	Thr	Gln	Ala	Gln	Val		
		260					265						270				
Ala	Ser	Val	Phe	Tyr	Thr	Ile	Val	Ile	Pro	Met	Leu	Asn	Pro	Leu	Ile		
		275					280					285					
Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Val	Lys	Asn	Ala	Leu	Leu	Arg	Val	Ile		
	290					295					300						
His	Arg	Lys	His	Leu	Leu												
305					310												

<210> 1666
 <211> 312
 <212> PRT
 <213> Mus musculus

<400> 1666

Met	Asp	Pro	Gly	Asn	His	Thr	Val	Val	Lys	Glu	Phe	Ile	Leu	Leu	Gly		
1				5					10					15			
Leu	Thr	Glu	Asn	Pro	Asp	Trp	Gln	Ile	Pro	Leu	Phe	Leu	Leu	Phe	Ser		
			20					25					30				
Ile	Ile	Tyr	Leu	Ile	Ile	Phe	Val	Gly	Asn	Trp	Leu	Met	Ile	Phe	Leu		
		35					40					45					
Ile	Trp	Leu	Asn	Ala	His	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Ser		
	50					55					60						
Asn	Leu	Ser	Phe	Cys	Asp	Ile	Cys	Tyr	Ser	Thr	Val	Ile	Ala	Pro	Lys		
65					70					75					80		
Met	Leu	Ile	Asn	Ile	Val	Ser	Glu	His	Lys	Ser	Ser	Arg	Leu	Leu	Ser		
			85						90					95			
Cys	Val	Leu	Gln	Ser	Phe	Phe	Phe	Met	Val	Tyr	Ala	Thr	Thr	Glu	Val		
			100					105					110				
Ile	Leu	Leu	Ser	Met	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Ala	Asn		
		115					120					125					
Pro	Leu	Met	Tyr	Thr	Val	Ile	Met	Thr	Phe	Ser	Ile	Cys	Ile	Ser	Met		
	130					135					140						
Val	Leu	Ala	Cys	Tyr	Leu	Cys	Gly	Ile	Ile	Asn	Ser	Leu	Thr	His	Thr		
145					150					155					160		
Ile	Ser	Leu	Leu	Arg	Leu	Asp	Phe	Cys	Gly	Pro	Asn	Ile	Val	Asn	His		
			165						170					175			
Phe	Phe	Cys	Asp	Val	Pro	Pro	Leu	Leu	Lys	Leu	Ser	Cys	Ser	Asp	Ala		
			180						185					190			
His	Ile	Asn	Glu	Met	Leu	Leu	Leu	Val	Phe	Ser	Gly	Val	Ile	Ala	Ile		
		195						200				205					
Phe	Thr	Phe	Ile	Ile	Val	Met	Val	Ser	Tyr	Ile	His	Ile	Ile	Ile	Ala		
	210					215						220					
Ile	Leu	Lys	Ile	Arg	Ser	Thr	Glu	Gly	Arg	Arg	Lys	Ala	Phe	Ser	Thr		
225					230					235					240		
Cys	Ala	Ser	His	Leu	Thr	Ala	Val	Thr	Leu	Phe	Tyr	Gly	Ser	Gly	Thr		
				245					250					255			

Phe	Ser	Tyr	Ile	Gln	Pro	Ser	Ser	Gln	Tyr	Ser	Met	Glu	Gln	Glu	Lys
			260					265					270		
Val	Ser	Ala	Val	Phe	Tyr	Thr	Leu	Val	Ile	Pro	Met	Leu	Asn	Pro	Leu
		275					280					285			
Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Val	Lys	Glu	Ala	Ala	Lys	Lys	Leu
	290					295					300				
Ile	Cys	Gly	Trp	Ser	Asn	Thr	Ser								
305					310										

<210> 1667
 <211> 305
 <212> PRT
 <213> Mus musculus

<400> 1667

Met	Val	Ser	Glu	Phe	Ile	Leu	Trp	Gly	Leu	Ser	Ser	Ser	Gln	Arg	Ile
1				5					10					15	
Glu	Val	Leu	Leu	Phe	Met	Val	Phe	Ser	Met	Leu	Tyr	Leu	Leu	Ile	Val
			20					25					30		
Ser	Gly	Asn	Ile	Val	Ile	Leu	Val	Leu	Ile	Thr	Thr	Asp	Pro	His	Leu
		35				40						45			
His	Ser	Pro	Met	Tyr	Phe	Leu	Leu	Ala	Asn	Leu	Ser	Phe	Ile	Asp	Met
	50					55				60					
Trp	Leu	Ser	Ser	Val	Thr	Thr	Pro	Lys	Met	Ile	Thr	Asp	Phe	Leu	Arg
65				70						75					80
Glu	Asn	Lys	Thr	Ile	Ser	Phe	Ala	Gly	Cys	Met	Ser	Gln	Val	Phe	Phe
			85						90					95	
Ala	His	Cys	Ile	Ala	Ala	Gly	Glu	Met	Val	Leu	Leu	Val	Ile	Met	Ala
			100					105					110		
Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Lys	Pro	Leu	His	Tyr	Phe	Thr	Ile
		115					120					125			
Met	Asn	Met	Lys	Arg	Cys	Thr	Gly	Leu	Val	Phe	Thr	Ser	Trp	Thr	Thr
	130					135					140				
Gly	Phe	Val	His	Ala	Leu	Ser	His	Leu	Val	Val	Ile	Val	Glu	Leu	Pro
145					150					155					160
Phe	Cys	Gly	Pro	Lys	Glu	Ile	Asp	Ser	Phe	Phe	Cys	Asp	Met	Pro	Leu
				165					170					175	
Val	Ile	Lys	Leu	Ala	Cys	Ile	Asp	Ser	Arg	Asp	Leu	Asp	Val	Leu	Met
			180					185					190		
Asn	Ala	Asp	Cys	Gly	Leu	Val	Ala	Val	Thr	Cys	Phe	Ile	Leu	Leu	Leu
		195					200					205			
Ile	Ser	Tyr	Thr	Tyr	Ile	Leu	Ile	Thr	Val	Cys	Gln	Ser	Ser	Lys	Ala
	210					215					220				
Gly	Ala	Ser	Lys	Ala	Met	Asn	Thr	Cys	Thr	Ala	His	Ile	Thr	Val	Val
225					230					235					240
Leu	Ile	Phe	Phe	Val	Pro	Cys	Ile	Phe	Ile	Tyr	Val	Trp	Pro	Leu	Ser
				245					250					255	
Ile	Ile	Trp	Leu	Asp	Lys	Phe	Leu	Ala	Val	Phe	Tyr	Ser	Val	Phe	Thr
			260					265					270		
Pro	Leu	Leu	Asn	Pro	Ala	Ile	Tyr	Thr	Leu	Arg	Asn	Lys	Glu	Met	Lys
		275					280					285			
Asn	Ala	Met	Lys	Lys	Phe	Ile	Asn	Ser	Tyr	Leu	Ser	His	Lys	Gly	Asn
	290					295					300				
Leu															
305															

<210> 1668

<211> 309
<212> PRT
<213> Mus musculus

<400> 1668

```
Met Lys Asn Lys Thr Ser Leu Thr Glu Phe Ile Leu Leu Gly Leu Thr
 1      5      10      15
Asp Val Pro Glu Leu Gln Val Ala Val Phe Thr Phe Leu Phe Leu Ala
      20      25      30
Tyr Val Phe Ser Met Ile Gly Asn Leu Thr Ile Leu Ile Leu Thr Leu
      35      40      45
Leu Asp Ser His Leu His Thr Pro Met Tyr Phe Phe Leu Arg Asn Phe
      50      55      60
Ser Phe Leu Glu Ile Ser Phe Thr Asn Ile Phe Ile Pro Arg Val Leu
      65      70      75      80
Val Ser Ile Thr Thr Gly Asn Lys Ser Ile Ser Phe Ala Gly Cys Phe
      85      90      95
Ala Gln Tyr Phe Phe Ala Ile Phe Leu Gly Ala Thr Glu Phe Tyr Leu
      100      105      110
Leu Ala Ala Met Ser Tyr Asp Arg Tyr Val Ala Ile Cys Lys Pro Leu
      115      120      125
His Tyr Met Ala Ile Met Ser Asn Arg Val Cys Thr His Leu Val Leu
      130      135      140
Cys Ser Trp Leu Gly Gly Leu Met Ala Ile Ile Pro Pro Ile Thr Leu
      145      150      155      160
Met Ser Gln Gln Asn Phe Cys Ala Ser Asn Arg Leu Asn His Tyr Phe
      165      170      175
Cys Asp Phe Glu Pro Leu Leu Glu Leu Ser Cys Ser Asp Thr Ser Leu
      180      185      190
Ile Glu Lys Val Val Phe Leu Val Ala Ser Val Thr Leu Val Val Thr
      195      200      205
Leu Met Leu Val Thr Leu Ser Tyr Thr Phe Ile Ile Lys Thr Ile Leu
      210      215      220
Lys Leu Pro Ser Ala Gln Gln Arg Thr Lys Ala Phe Ser Thr Cys Ser
      225      230      235      240
Ser His Met Ile Val Ile Ser Leu Ser Tyr Gly Ser Cys Phe Phe Met
      245      250      255
Tyr Val Lys Pro Ser Ala Lys Val Gly Gly Thr Phe Asp Lys Gly Val
      260      265      270
Ala Leu Leu Ile Thr Ser Val Ala Pro Leu Leu Asn Pro Phe Ile Tyr
      275      280      285
Thr Leu Arg Asn Gln Gln Val Lys Gln Ala Phe Lys Asp Thr Val Lys
      290      295      300
Lys Leu Val Asn Leu
305
```

<210> 1669
<211> 310
<212> PRT
<213> Mus musculus

<400> 1669

```
Met Lys Arg Ala Asn Cys Thr Glu Val Arg Glu Phe Val Phe Gln Gly
 1      5      10      15
Phe Ser Asn Phe Gln Glu His Gln Leu Thr Leu Phe Ile Ile Phe Phe
      20      25      30
Ala Leu Tyr Ile Leu Thr Leu Thr Gly Asn Val Ile Ile Val Thr Ile
      35      40      45
```

Ile	Arg	Ile	Asp	His	His	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Ser
50						55					60				
Val	Leu	Ser	Thr	Ser	Glu	Thr	Phe	Tyr	Ser	Leu	Val	Ile	Ile	Pro	Arg
65					70					75					80
Met	Leu	Gly	Ser	Leu	Val	Gly	Leu	Ser	Gln	Thr	Ile	Ser	Leu	Glu	Cys
				85					90					95	
Cys	Gly	Thr	Gln	Leu	Phe	Phe	Phe	Leu	Gly	Phe	Gly	Ile	Thr	Asn	Cys
			100					105					110		
Phe	Leu	Leu	Ala	Val	Met	Gly	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Asn
			115					120				125			
Pro	Leu	Arg	Tyr	Ser	Val	Ile	Met	Asn	Trp	Arg	Val	Cys	Val	Ile	Leu
						135					140				
Ala	Ser	Ser	Val	Cys	Ala	Thr	Gly	Phe	Leu	Leu	Ser	Leu	Val	Gln	Ala
145					150					155					160
Leu	Ala	Ile	Phe	Arg	Leu	Pro	Phe	Cys	Asn	Thr	Leu	Ile	Lys	His	Phe
				165					170					175	
Phe	Cys	Asp	Val	Arg	Pro	Ile	Leu	Asp	Leu	Ala	Cys	Thr	Val	Pro	Val
			180					185					190		
Ile	Asn	Gln	Val	Leu	Thr	Leu	Val	Leu	Thr	Leu	Met	Val	Leu	Thr	Ala
		195					200					205			
Pro	Ala	Ile	Phe	Leu	Phe	Val	Ser	Tyr	Ala	Leu	Ile	Ile	Ser	Thr	Ile
		210				215						220			
Leu	Lys	Ile	Ala	Ser	Ser	Asp	Gly	Trp	Lys	Lys	Thr	Phe	Ala	Thr	Cys
225					230					235					240
Ser	Ser	His	Leu	Thr	Val	Val	Val	Ile	His	Tyr	Gly	Cys	Ala	Ser	Ile
				245					250					255	
Val	Tyr	Phe	Lys	Pro	Lys	Ser	Glu	Asn	Ser	Lys	Asp	Gln	Asp	Gln	Leu
			260					265					270		
Leu	Ser	Val	Thr	Tyr	Thr	Val	Ile	Thr	Pro	Leu	Leu	Asn	Pro	Val	Val
		275					280					285			
Tyr	Ser	Leu	Arg	Asn	Lys	Glu	Val	Gln	Asp	Ala	Leu	Arg	Lys	Val	Leu
		290				295					300				
Cys	Arg	Lys	Ser	Leu	Ser										
305					310										

<210> 1670

<211> 310

<212> PRT

<213> Mus musculus

<400> 1670

Met	Lys	Lys	Thr	Asn	Cys	Thr	His	Val	Arg	Glu	Phe	Val	Phe	Gln	Gly
1				5					10					15	
Phe	Ser	Asn	Phe	Gln	Glu	His	Gln	Phe	Thr	Leu	Phe	Val	Val	Phe	Phe
			20					25					30		
Val	Leu	Tyr	Ile	Leu	Thr	Leu	Ala	Gly	Asn	Val	Ile	Ile	Val	Thr	Ile
		35					40					45			
Ile	Arg	Ile	Asp	His	His	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Ser
		50				55					60				
Val	Leu	Ser	Thr	Ser	Glu	Thr	Phe	Tyr	Ser	Leu	Val	Ile	Ile	Pro	Arg
65					70					75					80
Met	Leu	Gly	Ser	Leu	Val	Gly	Leu	Ser	Gln	Thr	Ile	Ser	Leu	Glu	Cys
			85						90					95	
Cys	Gly	Thr	Gln	Leu	Phe	Phe	Phe	Leu	Gly	Phe	Ala	Ile	Thr	Asn	Cys
			100					105					110		
Leu	Leu	Leu	Ala	Val	Met	Gly	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Asn
		115					120					125			
Pro	Leu	Arg	Tyr	Ser	Val	Ile	Met	Asn	Trp	Arg	Val	Cys	Val	Ile	Leu

130		135		140
Ala Ser Ser Val Gly	Ala Thr Gly Phe Leu Leu Ser Leu Ile Gln Ala			
145	150	155	160	
Val Ala Ile Phe Arg	Leu Pro Phe Cys Asn Thr Leu Ile Glu His Phe			
	165	170	175	
Phe Cys Asp Val Arg	Pro Ile Leu Asp Leu Ala Cys Thr Val Pro Val			
	180	185	190	
Ile Asn Asp Ile Leu Thr	Leu Ala Leu Ser Leu Met Val Ile Thr Ala			
	195	200	205	
Pro Ala Thr Phe Leu Phe	Val Ser Tyr Val Leu Ile Ile Ser Thr Ile			
	210	215	220	
Leu Lys Ile Ala Ser	Ala Glu Gly Arg Arg Lys Thr Phe Ala Thr Cys			
225	230	235	240	
Ala Ser His Leu Thr	Val Val Val Ile His Tyr Gly Cys Ala Ser Ile			
	245	250	255	
Ala Tyr Phe Lys Pro	Lys Ser Glu Asn Thr Lys Asp Gln Asp Gln Leu			
	260	265	270	
Ile Ser Val Thr Tyr Thr	Val Ile Thr Pro Leu Leu Asn Pro Val Val			
	275	280	285	
Tyr Ser Leu Arg Asn Lys	Glu Val Gln Asp Ala Leu Arg Lys Val Leu			
	290	295	300	
Gly Lys Lys Ser Leu Ser				
305	310			

<210> 1671
 <211> 305
 <212> PRT
 <213> Mus musculus

<400> 1671

Met Asp Gln Asn Asn Asn Thr Val Ser Glu Phe Ile Met Leu Gly Phe	
1	5
Thr Thr Asp Pro Val Ile Gln Lys Val Leu Phe Ala Val Phe Leu Val	
	20
Val Tyr Thr Leu Thr Leu Met Gly Asn Ser Ser Leu Ile Met Leu Ile	
	35
Cys Asn Asp Ser Arg Leu His Thr Pro Met Tyr Phe Ile Gly Asn	
	50
Leu Ser Phe Leu Asp Leu Gly Leu Ser Ser Val Tyr Thr Pro Lys Ile	
65	70
Leu Glu Thr Cys Ile Ser Glu Asp Lys Ser Ile Ser Phe Ala Gly Cys	
	85
Val Ala Gln Phe Phe Phe Ser Ala Ala Leu Asp Tyr Thr Glu Cys Tyr	
	100
Leu Leu Ala Ala Met Ala Tyr Asp Arg Tyr Val Ala Ile Ser Lys Pro	
	115
Leu Leu Tyr Ser Gln Ala Met Ser Leu Lys Leu Cys Val Cys Phe Val	
	130
Ala Ala Ser Tyr Val Gly Gly Phe Ile Asn Ser Val Ile Ile Thr Lys	
145	150
Asp Thr Phe Ala Leu Thr Phe Cys Asn Asp Asn Val Ile Asp Asp Phe	
	165
Phe Cys Asp Ile Pro Pro Leu Val Lys Leu Ala Cys Gly Lys Lys Lys	
	180
Ser Phe Gln Ser Val Leu Phe Phe Leu Leu Thr Ser Asn Val Ile Ile	
	195
Pro Ile Val Phe Ile Leu Ala Thr Tyr Leu Phe Ile Ile Ala Thr Ile	
	210
	215
	220

Leu Arg Ile Arg Ser Thr Gln Gly Arg Leu Lys Ala Phe Ser Thr Cys
 225 230 235 240
 Ser Ser His Leu Ile Ser Val Thr Leu Tyr Tyr Gly Ser Ile Leu Tyr
 245 250 255
 Ile Tyr Ala Arg Pro Arg Ser Ser Tyr Ser Leu Asp Arg Asp Lys Ile
 260 265 270
 Val Ser Thr Phe Tyr Thr Val Val Phe Pro Met Leu Asn Pro Leu Ile
 275 280 285
 Tyr Ser Leu Arg Asn Lys Asp Val Lys Glu Ala Leu Asn Lys Leu Leu
 290 295 300
 Lys
 305

<210> 1672
 <211> 317
 <212> PRT
 <213> Mus musculus

<400> 1672
 Met Arg Asn Leu Ser Gly Ser His Val Glu Glu Phe Val Leu Val Gly
 1 5 10 15
 Phe Pro Thr Ser Arg Pro Phe Gln Ala Leu Leu Phe Val Phe Phe
 20 25 30
 Ala Ile Tyr Leu Leu Thr Leu Leu Glu Asn Val Leu Ile Val Ser Thr
 35 40 45
 Ile Trp Leu Thr Pro Ser Leu His Arg Pro Met Tyr Phe Phe Leu Gly
 50 55 60
 His Leu Ser Phe Leu Glu Leu Trp Tyr Ile Asn Val Thr Ile Pro Arg
 65 70 75 80
 Leu Leu Gly Ala Phe Leu Thr Gln Asp Gly Arg Val Ser Tyr Gly Gly
 85 90 95
 Cys Met Thr Gln Leu Tyr Phe Phe Ile Ala Leu Ala Cys Thr Glu Cys
 100 105 110
 Val Leu Leu Ala Val Met Ala Tyr Asp Arg Tyr Leu Ala Ile Cys Glu
 115 120 125
 Pro Leu Arg Tyr Pro Ser Leu Met Pro Pro Arg Leu Ala Thr Arg Leu
 130 135 140
 Ala Ala Ala Ser Trp Gly Ser Gly Phe Phe Ser Ser Met Met Lys Leu
 145 150 155 160
 Leu Phe Ile Ser Arg Leu Ser Tyr Cys Gly Pro Asn Ile Ile Asn His
 165 170 175
 Phe Phe Cys Asp Ile Ser Pro Leu Leu Asn Leu Thr Cys Ser Asp Lys
 180 185 190
 Glu Gln Ala Glu Leu Val Asp Phe Leu Leu Ala Leu Val Met Ile Leu
 195 200 205
 Leu Pro Leu Val Ala Val Val Ser Ser Tyr Ala Ala Ile Ile Val Ala
 210 215 220
 Ile Leu Arg Ile Pro Thr Ala Gln Gly Arg His Lys Ala Phe Ser Thr
 225 230 235 240
 Cys Thr Ser His Leu Ala Val Val Val Ile Tyr Tyr Ser Ser Thr Leu
 245 250 255
 Phe Thr Tyr Ala Arg Pro Arg Ala Met Tyr Thr Phe Asn Tyr Asn Lys
 260 265 270
 Ile Ile Ser Val Leu Tyr Thr Val Ile Val Pro Phe Leu Asn Pro Ala
 275 280 285
 Ile Tyr Cys Leu Arg Asn Lys Glu Val Lys Asp Ala Phe Arg Lys Thr
 290 295 300
 Met Leu Gly Arg Cys His His Pro Arg Glu Gly Pro Asp

305

310

315

<210> 1673

<211> 312

<212> PRT

<213> Mus musculus

<400> 1673

```

Met Ser Pro Gly Asn Ser Ser Trp Ile His Pro Ser Ser Phe Leu Leu
 1          5          10          15
Leu Gly Ile Pro Gly Leu Glu Glu Leu Gln Phe Trp Leu Gly Leu Pro
 20          25          30
Phe Gly Thr Val Tyr Leu Ile Ala Val Leu Gly Asn Val Ile Ile Leu
 35          40          45
Phe Val Ile Tyr Leu Glu His Ser Leu His Gln Pro Met Phe Tyr Leu
 50          55          60
Leu Ala Ile Leu Ala Val Thr Asp Leu Gly Leu Ser Thr Ala Thr Val
 65          70          75          80
Pro Arg Ala Leu Gly Ile Phe Trp Phe Gly Phe His Lys Ile Ala Phe
 85          90          95
Arg Asp Cys Val Ala Gln Met Phe Phe Ile His Leu Phe Thr Gly Ile
 100          105          110
Glu Thr Phe Met Leu Val Ala Met Ala Phe Asp Arg Tyr Ile Ala Ile
 115          120          125
Cys Asn Pro Leu Arg Tyr Asn Thr Ile Leu Thr Asn Arg Thr Ile Cys
 130          135          140
Ile Ile Val Gly Val Gly Leu Phe Lys Asn Phe Ile Leu Val Phe Pro
 145          150          155          160
Leu Ile Phe Leu Ile Leu Arg Leu Ser Phe Cys Gly His Asn Ile Ile
 165          170          175
Pro His Thr Tyr Cys Glu His Met Gly Ile Ala Arg Leu Ala Cys Val
 180          185          190
Ser Ile Lys Val Asn Val Leu Phe Gly Leu Ile Leu Ile Ser Met Ile
 195          200          205
Leu Leu Asp Val Val Leu Ile Ala Leu Ser Tyr Ala Lys Ile Leu His
 210          215          220
Ala Val Phe Lys Leu Pro Ser Trp Glu Ala Arg Leu Lys Ala Leu Asn
 225          230          235          240
Thr Cys Gly Ser His Val Cys Val Ile Leu Ala Phe Phe Thr Pro Ala
 245          250          255
Phe Phe Ser Phe Leu Thr His Arg Phe Gly His Asn Ile Pro Arg Tyr
 260          265          270
Ile His Ile Leu Leu Ala Asn Leu Tyr Val Ile Ile Pro Pro Ala Leu
 275          280          285
Asn Pro Leu Ile Tyr Gly Val Arg Thr Lys Gln Ile Arg Asp Arg Val
 290          295          300
Val Ile Phe Phe Cys Lys Glu Val
305          310

```

<210> 1674

<211> 320

<212> PRT

<213> Mus musculus

<400> 1674

```

Met Ala Lys Glu Val Glu Val Arg Met Lys Ala Trp Asn Glu Thr Thr
 1          5          10          15

```

Val	Leu	Glu	Phe	Val	Leu	Glu	Gly	Phe	Leu	Val	Ala	Gln	His	Leu	Gly
			20					25					30		
Lys	Val	Leu	Phe	Leu	Val	His	Leu	Leu	Val	Tyr	Leu	Ala	Ser	Val	Thr
		35					40					45			
Gly	Asn	Thr	Leu	Ile	Ile	Ala	Ile	Thr	Trp	Ser	Asp	Pro	Arg	Leu	Gln
	50					55					60				
Thr	Pro	Met	Tyr	Phe	Phe	Leu	Arg	Ser	Phe	Ser	Phe	Cys	Glu	Cys	Cys
65					70					75					80
Phe	Ile	Ser	Thr	Val	Ile	Pro	Lys	Leu	Leu	Ala	Ile	Phe	Leu	Phe	Gly
				85					90					95	
Asp	Arg	Thr	Ile	His	Phe	Thr	Pro	Cys	Ile	Ile	Gln	Ala	Phe	Ser	Phe
			100					105					110		
Leu	Phe	Leu	Gly	Ser	Thr	Ile	Phe	Phe	His	Met	Ala	Val	Met	Ser	Leu
		115					120					125			
Asp	Arg	Tyr	Leu	Ala	Ile	Cys	Lys	Pro	Leu	Arg	Tyr	Pro	Ala	Ile	Met
		130				135					140				
Asn	Pro	Arg	Val	Cys	Phe	Leu	Leu	Val	Phe	Phe	Ser	Tyr	Val	Leu	Ser
145					150					155					160
Phe	Ile	Leu	Val	Thr	Gly	Val	Ile	Leu	Arg	Leu	Ser	Arg	Leu	Ser	Phe
				165					170					175	
Cys	Gly	Ser	Asn	Val	Ile	Pro	His	Phe	Phe	Cys	Asp	Leu	Gly	Ser	Leu
			180					185					190		
Ile	His	Leu	Ser	Cys	Ser	Asp	Thr	Lys	Ser	Leu	Glu	Ser	Met	Ala	Phe
		195					200					205			
Gly	Val	Ala	Val	Val	Val	Leu	Phe	Thr	Ser	Val	Leu	Ala	Ala	Ile	Phe
	210					215					220				
Ala	Tyr	Ser	Asn	Ile	Leu	Ile	Ser	Ile	Met	Arg	Leu	Pro	Leu	Ala	Lys
225					230					235					240
Asp	Arg	Gln	Lys	Ala	Phe	Ser	Thr	Cys	Ser	Ser	His	Leu	Ile	Val	Leu
				245					250					255	
Ser	Leu	Met	Tyr	Gly	Ser	Cys	Val	Phe	Ile	Tyr	Val	Lys	Pro	Lys	Gln
			260					265					270		
Val	Ser	Arg	Leu	Glu	Ser	Asn	Arg	Glu	Ala	Ala	Leu	Val	Asn	Thr	Val
		275					280					285			
Val	Thr	Pro	Leu	Leu	Asn	Pro	Val	Ile	Tyr	Thr	Leu	Arg	Asn	Lys	Gln
	290					295					300				
Val	His	Gln	Ala	Leu	Arg	Asp	Ala	Leu	Ser	Arg	Val	Asn	Leu	Gln	Lys
305					310					315					320

<210> 1675

<211> 313

<212> PRT

<213> Mus musculus

<400> 1675

Met	Leu	His	Ser	Asn	Lys	Thr	Gln	Phe	His	Pro	Ser	Ser	Phe	Leu	Leu
1				5					10					15	
Ile	Gly	Ile	Pro	Gly	Leu	Glu	Glu	Leu	His	Leu	Trp	Ile	Gly	Phe	Pro
			20					25					30		
Phe	Phe	Ala	Val	Tyr	Leu	Ile	Ala	Val	Leu	Gly	Asn	Ile	Ile	Ile	Leu
		35					40					45			
Phe	Val	Ile	Gln	Thr	Glu	Arg	Ser	Leu	His	Gln	Pro	Met	Phe	Tyr	Phe
	50					55					60				
Leu	Ala	Met	Leu	Ala	Cys	Thr	Asp	Leu	Gly	Leu	Ser	Thr	Ala	Thr	Ile
65					70					75					80
Pro	Lys	Met	Leu	Gly	Ile	Phe	Trp	Phe	Asn	Leu	Arg	Glu	Ile	Ala	Phe
				85					90					95	
Gly	Ala	Cys	Ile	Thr	Gln	Met	Tyr	Ile	Ile	His	Thr	Cys	Thr	Gly	Leu

Val	Ile	Lys	Leu	Ala	Cys	Ser	Asp	Thr	Arg	Ala	Asn	Ser	Ile	Cys	Gly
		195					200					205			
Leu	Val	Asp	Leu	Ile	Leu	Thr	Thr	Gly	Val	Asp	Ile	Pro	Cys	Ile	Val
	210					215					220				
Leu	Ser	Tyr	Ile	Leu	Ile	Ile	Arg	Ser	Val	Leu	Asn	Ile	Ala	Phe	Ser
225					230					235					240
Glu	Glu	Arg	His	Lys	Ala	Phe	Ser	Thr	Cys	Val	Ser	His	Ile	Ala	Ala
				245					250						255
Val	Ala	Val	Phe	Tyr	Ile	Pro	Thr	Phe	Ser	Leu	Ser	Leu	Val	His	Arg
			260					265					270		
Tyr	Gly	Arg	Ser	Val	Pro	Lys	Val	Val	His	Thr	Met	Met	Ala	Asn	Val
	275						280					285			
Tyr	Leu	Leu	Leu	Pro	Pro	Val	Leu	Asn	Pro	Ile	Ile	Tyr	Ser	Val	Lys
	290					295					300				
Thr	Lys	Gln	Ile	Arg	Lys	Ala	Ile	Leu	Ser	Leu	Leu	Phe	Ala	Lys	
305					310					315					

<210> 1677

<211> 316

<212> PRT

<213> Mus musculus

<400> 1677

Met	Val	Asn	Asp	Thr	Thr	His	His	Tyr	Ile	Ser	Phe	Phe	Tyr	Leu	Val
1				5					10					15	
Gly	Ile	Pro	Gly	Phe	Glu	Asn	Phe	Tyr	Tyr	Leu	Ile	Ser	Ile	Pro	Val
			20					25					30		
Cys	Leu	Leu	Phe	Val	Leu	Thr	Leu	Leu	Gly	Asn	Ser	Val	Val	Ile	Ala
	35					40					45				
Thr	Ile	Lys	Leu	Glu	Pro	Ser	Leu	His	Gln	Pro	Met	Tyr	Phe	Phe	Leu
	50					55					60				
Cys	Met	Leu	Ala	Met	Asn	Asp	Ile	Leu	Leu	Thr	Cys	Ser	Thr	Ser	Leu
65					70					75					80
Lys	Met	Leu	Gly	Ile	Phe	Trp	Phe	Asn	Glu	His	Trp	Ile	Glu	Phe	Asp
			85					90						95	
Val	Cys	Leu	Thr	Gln	Met	Tyr	Phe	Ile	His	Thr	Leu	Cys	Ile	Phe	Glu
			100					105					110		
Ser	Ala	Ile	Leu	Val	Ala	Met	Ala	Phe	Asp	Arg	Phe	Val	Ala	Ile	Cys
	115						120					125			
Ile	Pro	Leu	His	Tyr	Ala	Thr	Ile	Leu	Thr	Thr	Ala	Met	Val	Ile	Lys
	130					135					140				
Leu	Gly	Val	Val	Gly	Leu	Ser	Arg	Ala	Leu	Leu	Met	Val	Leu	Pro	Cys
145					150					155					160
Pro	Leu	Leu	Ile	Lys	Arg	Leu	Pro	Tyr	Tyr	Thr	Gly	Tyr	Ile	Ile	Pro
				165					170					175	
His	Thr	Tyr	Cys	Glu	His	Met	Ala	Val	Val	Lys	Leu	Ala	Ser	Ala	Asn
			180					185					190		
Thr	Phe	Ile	Asn	Arg	Ala	Tyr	Gly	Ile	Ser	Ala	Ala	Leu	Ser	Val	Ile
	195						200					205			
Thr	Leu	Asp	Val	Trp	Leu	Ile	Ala	Ala	Ser	Tyr	Ile	Lys	Ile	Leu	Gln
	210					215					220				
Ala	Val	Phe	Arg	Leu	Ser	Ser	Gln	Asn	Ala	Arg	Ser	Lys	Ala	Leu	Gly
225					230					235					240
Thr	Cys	Ala	Ala	His	Val	Cys	Thr	Ile	Leu	Ala	Phe	Tyr	Thr	Pro	Ala
				245					250					255	
Leu	Phe	Ser	Phe	Leu	Thr	His	Arg	Ile	Gly	Lys	Asn	Val	Pro	Pro	Ser
			260					265					270		
Val	His	Ile	Ile	Leu	Ala	Ser	Met	Tyr	Leu	Leu	Val	Pro	Pro	Thr	Val

	275		280		285										
Asn	Pro	Leu	Val	Tyr	Gly	Val	Lys	Thr	Lys	Gln	Ile	Arg	Asp	Arg	Val
	290		295		300										
Leu	Ser	Leu	Phe	Ser	His	Leu	Lys	Ile	Ala	Glu	Tyr				
305					310					315					

<210> 1678
 <211> 315
 <212> PRT
 <213> Mus musculus

<400> 1678

Met	Gln	His	Thr	Asn	His	Ser	His	Gln	Asn	Pro	Ser	Ser	Phe	Leu	Leu
1				5					10					15	
Met	Gly	Ile	Pro	Gly	Leu	Glu	Ala	Ser	His	Phe	Trp	Ile	Ala	Phe	Pro
			20					25					30		
Phe	Cys	Ser	Met	Tyr	Ala	Leu	Ala	Val	Leu	Gly	Asn	Met	Ala	Val	Leu
		35					40					45			
Leu	Val	Val	Arg	Ser	Glu	Pro	Ser	Leu	His	Gln	Pro	Met	Tyr	Leu	Phe
	50					55					60				
Leu	Cys	Met	Leu	Ser	Thr	Ile	Asp	Leu	Ile	Leu	Cys	Thr	Ser	Thr	Val
65					70					75					80
Pro	Lys	Leu	Leu	Ala	Leu	Phe	Trp	Ala	Asn	Ala	Ala	Glu	Ile	Ala	Phe
				85					90					95	
Gly	Ala	Cys	Ala	Thr	Gln	Met	Phe	Phe	Ile	His	Gly	Phe	Ser	Ala	Val
			100					105					110		
Glu	Ser	Gly	Ile	Leu	Leu	Ser	Met	Ala	Phe	Asp	Arg	Tyr	Leu	Ala	Ile
	115						120					125			
Cys	Arg	Pro	Leu	His	Tyr	Gly	Ser	Leu	Leu	Ser	Ser	Glu	Ser	Val	Ser
	130					135					140				
Lys	Leu	Gly	Ala	Ala	Ala	Leu	Leu	Arg	Gly	Leu	Gly	Leu	Met	Thr	Pro
145					150					155					160
Leu	Thr	Cys	Leu	Leu	Ala	Arg	Leu	Ser	Tyr	Cys	Gly	Arg	Val	Val	Ala
				165					170					175	
His	Ser	Tyr	Cys	Glu	His	Met	Ala	Val	Val	Lys	Leu	Ala	Cys	Gly	Gly
		180						185					190		
Thr	Gln	Pro	Asn	Asn	Ile	Tyr	Gly	Ile	Thr	Ala	Ala	Thr	Leu	Val	Val
		195					200						205		
Gly	Thr	Asp	Ser	Ile	Cys	Ile	Ala	Ile	Ser	Tyr	Ala	Leu	Ile	Leu	Arg
	210					215					220				
Ala	Val	Leu	Gly	Leu	Ser	Ser	Lys	Glu	Ala	Arg	Ala	Lys	Thr	Phe	Gly
225					230					235					240
Thr	Cys	Gly	Ser	His	Leu	Gly	Val	Ile	Leu	Leu	Phe	Tyr	Thr	Pro	Gly
				245					250					255	
Leu	Phe	Ser	Phe	Tyr	Thr	Gln	Arg	Phe	Gly	Gln	His	Val	Pro	Arg	His
		260						265					270		
Val	His	Ile	Leu	Leu	Ala	Asp	Leu	Tyr	Leu	Val	Val	Pro	Pro	Met	Leu
		275					280					285			
Asn	Pro	Ile	Ile	Tyr	Gly	Met	Lys	Thr	Lys	Gln	Ile	Arg	Asp	Gly	Ala
	290					295					300				
Leu	Arg	Leu	Leu	Lys	Arg	Gly	Pro	Ala	Gln	Ser					
305					310					315					

<210> 1679
 <211> 324
 <212> PRT
 <213> Mus musculus

<400> 1679

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Met Leu Gly Pro Ser Tyr Asn His Thr Met Glu Ser Pro Gly Thr Phe
 1      5      10      15
Phe Leu Leu Gly Ile Pro Gly Phe Gln Ser Ser Tyr Leu Trp Leu Ala
 20      25      30
Ile Ser Leu Ser Thr Met Tyr Ser Ile Ala Leu Leu Gly Asn Met Leu
 35      40      45
Ile Ile Ile Val Ile Cys Met Asp Ser Thr Leu Gln Glu Pro Met Tyr
 50      55      60
Phe Phe Leu Cys Val Leu Ala Ala Val Asp Ile Val Met Ala Ser Ser
 65      70      75      80
Val Val Pro Lys Met Val Ser Ile Phe Ser Ser Gly Asp Ser Ser Ile
 85      90      95
Ser Phe Asn Ala Cys Phe Thr Gln Met Tyr Phe Val His Ala Ala Thr
 100      105      110
Ala Val Glu Thr Gly Leu Leu Leu Ala Met Ala Phe Asp Arg Tyr Val
 115      120      125
Ala Ile Cys Lys Pro Leu His Tyr Met Arg Ile Leu Thr Arg His Val
 130      135      140
Met Leu Gly Ile Ser Val Thr Ile Thr Val Arg Ala Val Ile Phe Met
 145      150      155      160
Thr Pro Leu Ser Trp Met Leu Ser His Leu Pro Phe Cys Ala Ser Asn
 165      170      175
Val Val Pro His Ser Tyr Cys Glu His Met Ala Val Ala Lys Leu Ala
 180      185      190
Cys Ala Asp Pro Met Pro Ser Ser Leu Tyr Ser Leu Ile Phe Ser Ser
 195      200      205
Ile Ile Val Gly Ser Asp Val Ala Phe Ile Ser Ala Ser Tyr Ser Leu
 210      215      220
Ile Leu Lys Ala Val Phe Gly Leu Ser Ser Arg Asn Ala Gln Trp Lys
 225      230      235      240
Ala Leu Ser Thr Cys Gly Ser His Val Gly Val Met Ala Leu Tyr Tyr
 245      250      255
Leu Pro Gly Met Ala Ser Ile Tyr Val Ala Trp Leu Gly Gln Asp Arg
 260      265      270
Val Pro Leu His Thr Gln Val Leu Leu Ala Asp Leu Tyr Leu Ile Ile
 275      280      285
Pro Pro Thr Leu Asn Pro Ile Ile Tyr Gly Ile Arg Thr Arg Gln Ile
 290      295      300
Arg Glu Arg Ile Trp Ser Leu Leu Thr His Cys Phe Phe Ser Gln Cys
 305      310      315      320
Thr Gln Gly Ser
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<210> 1680

<211> 308

<212> PRT

<213> Mus musculus

<400> 1680

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Met Gln Leu Asn Ile Asn Val Thr Glu Phe Ile Leu Leu Gly Leu Thr
 1      5      10      15
Gln Asp Pro Ser Arg Lys Asn Ile Val Phe Ala Ile Phe Leu Phe Phe
 20      25      30
Tyr Met Gly Thr Leu Leu Gly Asn Phe Leu Ile Ile Val Thr Ile Lys
 35      40      45
Thr Ser Pro Ala Leu Gly Ser Pro Met Tyr Phe Phe Leu Phe Tyr Leu
```


50		55		60											
Ser	Leu	Ser	Asp	Thr	Cys	Phe	Ser	Thr	Thr	Val	Ala	Pro	Arg	Thr	Ile
65					70					75					80
Val	Asp	Ser	Leu	Leu	Lys	Glu	Ala	Ser	Ile	Ser	Phe	Asn	Glu	Cys	Ile
				85					90					95	
Ile	Gln	Val	Phe	Thr	Phe	His	Leu	Phe	Gly	Ser	Leu	Glu	Ile	Phe	Ile
			100					105					110		
Leu	Ile	Leu	Met	Ala	Val	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Lys	Pro	Leu
		115					120					125			
His	Tyr	Met	Thr	Ile	Met	Asn	Arg	Gln	Val	Cys	Gly	Met	Leu	Val	Ala
	130					135					140				
Thr	Val	Cys	Val	Gly	Ser	Cys	Ile	His	Ser	Ser	Val	Gln	Ile	Ile	Leu
145					150					155					160
Ala	Leu	Ser	Leu	Pro	Phe	Cys	Gly	Pro	Asn	Glu	Ile	Asp	His	Tyr	Phe
			165						170					175	
Cys	Asp	Leu	Gln	Pro	Leu	Leu	Lys	Leu	Ala	Cys	Ser	Asp	Thr	Tyr	Val
		180						185					190		
Ile	Asn	Leu	Leu	Leu	Val	Ser	Asn	Ser	Gly	Thr	Leu	Cys	Thr	Val	Ser
	195						200					205			
Phe	Leu	Met	Leu	Met	Val	Ser	Tyr	Ile	Ile	Ile	Leu	Tyr	Ser	Leu	Arg
	210					215					220				
Asn	His	Ser	Ala	Glu	Gly	Arg	Arg	Lys	Ala	Leu	Phe	Thr	Cys	Val	Ser
225				230						235					240
His	Ile	Ile	Val	Val	Ile	Leu	Phe	Phe	Val	Pro	Cys	Ile	Phe	Ile	Tyr
			245						250					255	
Thr	Arg	Pro	Ala	Thr	Thr	Phe	Pro	Met	Asp	Lys	Met	Ile	Ser	Val	Phe
		260					265						270		
Tyr	Thr	Ile	Cys	Thr	Pro	Phe	Leu	Asn	Pro	Leu	Ile	Tyr	Thr	Leu	Arg
	275					280						285			
Asn	Ala	Glu	Val	Lys	Asn	Ala	Met	Arg	Lys	Leu	Trp	Ser	Lys	Lys	Ile
	290				295						300				
Ser	Asp	Asp	Ile												
305															

<210> 1681
 <211> 312
 <212> PRT
 <213> Mus musculus

<400> 1681

Met	Ala	Asp	Val	Asn	Phe	Thr	Phe	Val	Thr	Glu	Phe	Ile	Leu	Leu	Gly
1				5					10					15	
Leu	Thr	Asp	Arg	Asp	Glu	Leu	Lys	Val	Phe	Leu	Phe	Ile	Leu	Phe	Leu
		20						25					30		
Leu	Ile	Tyr	Val	Ile	Ser	Leu	Val	Gly	Asn	Leu	Gly	Met	Phe	Met	Leu
		35					40					45			
Ile	His	Ile	Thr	Pro	Lys	Leu	His	Thr	Pro	Met	Tyr	His	Phe	Leu	Arg
	50					55					60				
Ser	Leu	Ser	Phe	Val	Asp	Ala	Cys	Tyr	Ser	Ser	Val	Phe	Ala	Pro	Thr
65				70						75					80
Leu	Leu	Leu	Asn	Phe	Phe	Val	Glu	Lys	Glu	Thr	Ile	Ser	Phe	Ser	Ala
			85						90					95	
Cys	Ile	Leu	Gln	Tyr	Phe	Leu	Phe	Ala	Ser	Leu	Leu	Thr	Thr	Glu	Gly
		100						105					110		
Phe	Leu	Leu	Ala	Ala	Met	Ala	Phe	Asp	Arg	Tyr	Val	Ala	Ile	Val	Asn
		115					120					125			
Pro	Leu	Thr	Tyr	Thr	Val	Val	Met	Thr	Lys	Leu	Ile	Cys	Val	Leu	Leu
	130					135					140				

Val	Leu	Gly	Ser	Cys	Leu	Gly	Gly	Thr	Ile	Thr	Ser	Leu	Thr	His	Thr
145					150					155					160
Ile	Gly	Leu	Ile	Lys	Leu	Ser	Phe	Cys	Gly	Pro	Asn	Val	Ile	Ser	His
				165					170						175
Phe	Phe	Cys	Asp	Leu	Pro	Pro	Leu	Leu	Lys	Leu	Ser	Cys	Ser	Asp	Thr
			180						185						190
Ser	Met	Asn	Glu	Leu	Leu	Leu	Leu	Val	Phe	Ser	Gly	Val	Ile	Ala	Ile
		195						200							205
Thr	Thr	Leu	Leu	Thr	Val	Val	Leu	Ser	Tyr	Ile	Phe	Ile	Val	Ala	Ala
		210						215							220
Ile	Leu	Arg	Ile	Arg	Ser	Ala	Ala	Gly	Arg	His	Lys	Ala	Phe	Ser	Thr
225					230					235					240
Cys	Ala	Ser	His	Leu	Thr	Ala	Val	Thr	Leu	Phe	Tyr	Gly	Ser	Ile	Ser
				245						250					255
Phe	Ser	Tyr	Ile	Gln	Pro	Ser	Ser	Gln	Tyr	Ser	Leu	Glu	Gln	Glu	Lys
			260					265							270
Val	Val	Ser	Val	Phe	Tyr	Thr	Leu	Val	Ile	Pro	Met	Leu	Asn	Pro	Leu
		275						280							285
Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Glu	Val	Lys	Asp	Ala	Val	Lys	Arg	Val
	290					295					300				
Met	Glu	Ile	Lys	His	Ser	Leu	His								
305					310										

<210> 1682
 <211> 316
 <212> PRT
 <213> Mus musculus

<400> 1682

Met	Ile	Thr	Ser	Asn	Val	Ser	Ser	Tyr	Asn	Pro	Gly	Pro	Phe	Leu	Leu
1				5					10					15	
Val	Gly	Ile	Pro	Gly	Leu	Glu	His	Phe	His	Val	Trp	Ile	Gly	Ile	Pro
			20					25					30		
Phe	Cys	Val	Ile	Tyr	Ile	Ile	Ala	Val	Val	Gly	Asn	Cys	Ile	Leu	Leu
		35					40					45			
Tyr	Leu	Ile	Thr	Val	Glu	Arg	Ser	Leu	His	Glu	Pro	Met	Phe	Phe	Phe
	50					55					60				
Leu	Ser	Met	Leu	Ala	Met	Thr	Asp	Leu	Ile	Leu	Ser	Thr	Asp	Gly	Val
65					70					75					80
Pro	Lys	Thr	Leu	Ser	Ile	Phe	Trp	Met	Gly	Ala	Arg	Glu	Ile	Thr	Phe
				85					90					95	
Pro	Gly	Cys	Leu	Thr	Gln	Met	Phe	Phe	Leu	His	Tyr	Ser	Phe	Val	Leu
			100					105						110	
Asp	Ser	Ala	Ile	Leu	Met	Ala	Met	Ala	Phe	Asp	Arg	Tyr	Val	Ala	Ile
		115					120					125			
Cys	Ser	Pro	Leu	Arg	Tyr	Ala	Thr	Ile	Leu	Thr	Pro	Lys	Thr	Ile	Val
		130					135				140				
Lys	Ile	Ala	Val	Gly	Ile	Ser	Phe	Arg	Ser	Phe	Cys	Ile	Ile	Leu	Pro
145					150					155					160
Val	Val	Phe	Leu	Leu	Thr	Arg	Leu	Pro	Phe	Cys	Arg	Thr	Arg	Ile	Ile
					165					170					175
Pro	His	Thr	Tyr	Cys	Glu	His	Ile	Gly	Val	Ala	Arg	Leu	Ala	Cys	Ala
			180					185						190	
Asp	Ile	Ser	Ile	Asn	Ile	Trp	Tyr	Gly	Phe	Cys	Val	Pro	Ile	Met	Thr
		195					200					205			
Val	Ile	Ser	Asp	Val	Val	Leu	Ile	Ala	Val	Ser	Tyr	Thr	Leu	Ile	Leu
	210					215					220				
Cys	Ala	Val	Phe	Arg	Leu	Pro	Ser	Arg	Asp	Ala	Arg	Gln	Lys	Ala	Leu

225					230					235				240	
Gly	Thr	Cys	Gly	Ser	His	Val	Cys	Val	Ile	Leu	Met	Phe	Tyr	Thr	Pro
				245					250					255	
Ala	Phe	Phe	Ser	Ile	Leu	Ala	His	Arg	Phe	Gly	His	Asn	Val	Ser	Leu
			260					265					270		
Thr	Phe	His	Ile	Met	Phe	Ala	Asn	Leu	Tyr	Ile	Val	Ile	Pro	Pro	Ala
		275					280					285			
Met	Asn	Pro	Ile	Val	Tyr	Gly	Val	Lys	Thr	Lys	Gln	Ile	Arg	Glu	Lys
	290					295					300				
Val	Ile	Leu	Leu	Phe	Ser	Val	Lys	Ser	Ile	Asp	Gly				
305					310					315					

<210> 1683

<211> 320

<212> PRT

<213> Mus musculus

<400> 1683

Met	Gly	Thr	Lys	His	Ala	Thr	Asn	Ser	Ser	Glu	Phe	Gln	Val	Ser	Glu
1				5					10					15	
Phe	Ile	Leu	Leu	Gly	Phe	Pro	Gly	Ile	His	Glu	Phe	Gln	Ile	Trp	Leu
			20					25					30		
Ser	Leu	Pro	Met	Ala	Leu	Leu	Tyr	Ile	Ile	Ala	Leu	Gly	Ala	Asn	Phe
		35					40					45			
Leu	Ile	Leu	Ile	Thr	Ile	Tyr	Leu	Glu	Pro	Asn	Leu	His	Gln	Ser	Met
	50					55					60				
Tyr	Gln	Phe	Leu	Gly	Ile	Leu	Ala	Val	Val	Asp	Ile	Gly	Leu	Ala	Thr
65				70						75					80
Thr	Ser	Met	Pro	Lys	Ile	Leu	Ala	Ile	Leu	Trp	Phe	Asp	Ala	Lys	Thr
				85					90					95	
Ile	Ser	Leu	Pro	Glu	Cys	Phe	Ala	Gln	Ile	Tyr	Ala	Ile	His	Thr	Phe
			100					105					110		
Met	Ser	Met	Glu	Ser	Gly	Val	Phe	Leu	Cys	Met	Ala	Ile	Asp	Arg	Tyr
		115					120					125			
Val	Ala	Ile	Cys	Tyr	Pro	Leu	Gln	Tyr	Pro	Ser	Ile	Val	Thr	Glu	Ala
	130					135					140				
Phe	Val	Ile	Lys	Ala	Thr	Leu	Ser	Met	Met	Leu	Arg	Ser	Gly	Leu	Leu
145					150					155					160
Thr	Ile	Pro	Val	Pro	Val	Leu	Ala	Ala	Gln	Arg	Gln	Tyr	Cys	Ser	Arg
				165					170					175	
Asn	Glu	Ile	Asp	His	Cys	Leu	Cys	Ser	Asn	Leu	Gly	Val	Ile	Ser	Leu
			180					185					190		
Ala	Cys	Asp	Asp	Ile	Thr	Val	Asn	Arg	Asn	Cys	Gln	Leu	Thr	Leu	Ala
		195					200					205			
Trp	Leu	Ile	Leu	Gly	Ile	Asp	Met	Ile	Leu	Val	Cys	Val	Ser	Tyr	Ala
	210					215					220				
Leu	Ile	Ile	Arg	Ser	Val	Leu	Arg	Leu	Asn	Ser	Thr	Glu	Ala	Val	Ser
225					230					235					240
Lys	Ala	Leu	Ser	Thr	Cys	Ser	Ser	His	Leu	Ile	Leu	Ile	Met	Phe	Tyr
				245					250					255	
Tyr	Thr	Ala	Ile	Val	Ile	Leu	Ser	Val	Thr	His	Leu	Ala	Gly	Arg	Arg
		260						265					270		
Val	Pro	Leu	Ile	Pro	Val	Leu	Leu	Asn	Val	Met	His	Ile	Val	Ile	Pro
		275					280					285			
Pro	Ser	Leu	Asn	Pro	Met	Val	Tyr	Ala	Leu	Arg	Thr	Gln	Glu	Leu	Lys
	290					295					300				
Val	Gly	Phe	Arg	Lys	Val	Phe	Asp	Leu	Ser	His	Tyr	Val	Ser	Arg	Lys
305					310					315					320

<210> 1684
 <211> 310
 <212> PRT
 <213> Mus musculus

<400> 1684
 Met Thr Ala Lys Asn Ser Ser Val Thr Glu Phe Ile Leu Ala Gly Leu
 1 5 10 15
 Thr Asn Gln Pro Gly Leu Arg Met Pro Leu Phe Phe Leu Phe Leu Gly
 20 25 30
 Phe Tyr Met Val Thr Val Val Gly Asn Leu Gly Leu Ile Ser Leu Ile
 35 40 45
 Gly Leu Asn Ser His Leu His Thr Pro Met Tyr Phe Phe Leu Phe Asn
 50 55 60
 Leu Ser Val Ile Asp Phe Cys Tyr Ser Ser Thr Ile Ile Pro Lys Met
 65 70 75 80
 Leu Thr Ser Phe Ile Ser Lys Thr Asn Ile Ile Ser His Ser Gly Cys
 85 90 95
 Met Thr Gln Leu Phe Phe Phe Cys Phe Phe Val Phe Ser Glu Ser Phe
 100 105 110
 Ile Leu Ser Ala Met Ala Tyr Asp Arg Tyr Val Ala Ile Cys Asn Pro
 115 120 125
 Leu Met Tyr Thr Val Thr Met Ser Pro Gln Val Cys Leu Leu Leu Leu
 130 135 140
 Leu Gly Val Tyr Val Met Gly Phe Ser Gly Gly Ile Ala His Thr Gly
 145 150 155 160
 Asn Leu Met Asn Leu Thr Phe Cys Ala Asp Asn Leu Ile Asn His Phe
 165 170 175
 Met Cys Asp Ile Leu Pro Leu Leu Glu Leu Ser Cys Ser Asn Thr Phe
 180 185 190
 Thr Asn Glu Leu Val Val Phe Ile Val Val Ala Phe Gly Ile Gly Val
 195 200 205
 Pro Ile Val Thr Ile Phe Ile Ser Tyr Ala Leu Ile Leu Ser Ser Ile
 210 215 220
 Leu Tyr Met His Ser Thr Glu Gly Arg Ser Lys Ala Phe Ser Thr Cys
 225 230 235 240
 Ser Ser His Leu Ile Val Val Cys Leu Phe Phe Gly Ser Gly Ala Phe
 245 250 255
 Met Tyr Leu Lys Pro Pro Ser Ile Leu Pro Leu Asp Gln Gly Lys Val
 260 265 270
 Ser Ser Leu Phe Tyr Thr Ile Val Val Pro Met Leu Asn Pro Leu Ile
 275 280 285
 Tyr Ser Leu Arg Asn Lys Asp Val Lys Val Ala Leu Arg Lys Thr Leu
 290 295 300
 Gly Lys Arg Ile Leu Ser
 305 310

<210> 1685
 <211> 319
 <212> PRT
 <213> Mus musculus

<400> 1685
 Met Phe Gln Ile Leu Arg Asp Ser Asn Ser Ser Arg Phe Gln Val Ser
 1 5 10 15
 Glu Phe Ile Leu Met Gly Phe Pro Gly Ile His Ser Trp Gln His Trp

Tyr	Met	Leu	Ala	Ala	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Ser
		115						120				125			
Pro	Leu	Leu	Tyr	Ser	Ser	Ile	Met	Ser	Gln	His	Lys	Cys	Leu	Ser	Leu
	130					135					140				
Val	Leu	Gly	Val	Tyr	Ile	Leu	Gly	Ile	Val	Cys	Ala	Ser	Ala	His	Val
	145				150					155					160
Gly	Cys	Ile	Phe	Arg	Ile	Asp	Phe	Cys	Lys	Ser	Asp	Leu	Ile	Asn	His
			165						170					175	
Tyr	Phe	Cys	Asp	Leu	Ile	Ser	Ile	Leu	Asn	Leu	Ser	Cys	Ser	Asn	Ile
			180					185					190		
Phe	Val	Asn	Asp	Leu	Val	Ile	Leu	Ile	Phe	Ser	Leu	Ile	Asn	Thr	Ile
	195						200					205			
Phe	Pro	Thr	Leu	Thr	Ile	Leu	Ser	Ser	Tyr	Ala	Phe	Ile	Ile	Ile	Ser
	210					215					220				
Ile	Leu	Arg	Ile	Lys	Ser	Thr	Glu	Gly	Arg	Ser	Lys	Ala	Phe	Ser	Thr
	225				230					235					240
Cys	Ser	Ser	His	Ile	Ser	Ala	Val	Ala	Ile	Phe	Tyr	Ile	Ser	Ala	Gly
			245						250					255	
Phe	Thr	Tyr	Leu	Asn	Pro	Ser	Ser	Ser	His	Ser	Met	Asp	Glu	Gly	Lys
		260						265				270			
Val	Ser	Ser	Ile	Phe	Tyr	Thr	Ile	Ile	Val	Pro	Met	Leu	Asn	Pro	Leu
	275						280					285			
Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Val	Lys	Ile	Ala	Leu	Lys	Lys	Met
	290					295					300				
Ile	Glu														
305															

<210> 1687
 <211> 308
 <212> PRT
 <213> Mus musculus

<400> 1687

Met	Glu	Gln	Gly	Asn	His	Ser	Thr	Val	Lys	Lys	Phe	Phe	Leu	Ser	Gly
1				5					10					15	
Leu	Thr	Glu	Gln	Pro	Glu	Leu	Gln	Leu	Pro	Leu	Phe	Leu	Leu	Phe	Leu
		20						25					30		
Gly	Ile	Tyr	Leu	Leu	Thr	Val	Leu	Gly	Asn	Leu	Gly	Met	Ile	Ile	Leu
	35						40				45				
Ile	Leu	Leu	Ser	Ser	His	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Ser
	50					55					60				
Ser	Leu	Ser	Phe	Ile	Asp	Leu	Cys	Gln	Ser	Thr	Val	Ile	Thr	Pro	Lys
	65				70					75				80	
Met	Leu	Val	Asn	Phe	Val	Arg	Glu	Lys	Asn	Glu	Ile	Ser	Tyr	Pro	Glu
			85						90					95	
Cys	Ile	Thr	Gln	Leu	Tyr	Phe	Phe	Leu	Leu	Phe	Ala	Ile	Ser	Glu	Cys
		100						105					110		
Tyr	Met	Leu	Ala	Ala	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Ser
	115						120					125			
Pro	Leu	Leu	Tyr	Ser	Ser	Ile	Met	Ser	Gln	His	Lys	Cys	Leu	Ser	Ile
	130					135					140				
Val	Leu	Gly	Val	Tyr	Ile	Ile	Gly	Ile	Val	Cys	Ala	Ser	Ala	His	Val
	145				150					155					160
Gly	Cys	Met	Phe	Arg	Ile	Asp	Phe	Cys	Arg	Tyr	Asp	Val	Ile	Asn	His
			165						170					175	
Tyr	Phe	Cys	Asp	Leu	Ile	Ser	Ile	Leu	Lys	Leu	Ser	Cys	Ser	Asp	Ala
			180					185					190		
Phe	Val	Asn	Glu	Leu	Met	Ile	Leu	Ile	Phe	Ser	Gly	Val	Asn	Ile	Ile

Ala	Pro	Thr	Leu	Thr	Ile	Leu	Ser	Ser	Tyr	Val	Phe	Ile	Ile	Met	Ser
210						215					220				
Ile	Leu	Arg	Ile	Lys	Ser	Thr	Glu	Gly	Arg	Ser	Lys	Thr	Phe	Ser	Thr
225					230					235					240
Cys	Ser	Ser	His	Ile	Ser	Ala	Val	Ala	Val	Phe	Tyr	Gly	Ser	Ala	Ala
			245						250					255	
Phe	Met	Tyr	Leu	Asn	Pro	Ser	Ser	Ser	Asn	Ser	Met	Asp	Glu	Gly	Lys
			260					265				270			
Val	Ser	Ser	Ile	Phe	Tyr	Thr	Ile	Ile	Val	Pro	Met	Leu	Asn	Pro	Leu
			275				280					285			
Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Val	Asn	Ile	Ala	Leu	Lys	Lys	Met
290						295					300				
Ile	Gln	Arg	Arg												
305															

<210> 1688
 <211> 311
 <212> PRT
 <213> Mus musculus

<400> 1688

Met	Ala	Glu	Gly	Asn	Phe	Ser	Val	Val	Thr	Glu	Phe	Ile	Leu	Thr	Gly
1				5					10					15	
Leu	Thr	Glu	Lys	Pro	Ala	Leu	Gln	Leu	Pro	Leu	Leu	Phe	Leu	Phe	Leu
			20					25					30		
Gly	Ile	Tyr	Val	Val	Thr	Val	Ile	Gly	Asn	Leu	Gly	Met	Val	Met	Leu
		35				40					45				
Ile	Leu	Phe	Ser	Ser	His	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Ser
50					55					60					
Asn	Leu	Ser	Phe	Val	Asp	Leu	Cys	Gln	Ser	Ser	Val	Ile	Met	Pro	Lys
65					70				75						80
Met	Leu	Glu	Lys	Phe	Val	Met	Val	Lys	Ser	Val	Ile	Ser	Tyr	Ala	Glu
			85					90						95	
Cys	Met	Ala	Gln	Phe	Tyr	Leu	Phe	Asp	Val	Phe	Ala	Val	Ser	Glu	Cys
			100					105					110		
His	Met	Leu	Ala	Val	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Asn
		115				120						125			
Pro	Leu	Leu	Tyr	Asn	Val	Thr	Met	Ser	Tyr	Lys	Val	Cys	Ser	Trp	Met
		130				135					140				
Val	Val	Gly	Val	Tyr	Ser	Val	Gly	Leu	Ile	Cys	Ala	Thr	Gly	Glu	Thr
145					150					155					160
Val	Cys	Leu	Leu	Arg	Leu	Leu	Phe	Cys	Lys	Ala	Gly	Asp	Ile	Asn	His
			165					170						175	
Tyr	Phe	Cys	Asp	Leu	Leu	Pro	Leu	Leu	Glu	Gln	Ser	Cys	Ser	Asn	Thr
			180					185					190		
Phe	Ile	Asn	Glu	Ile	Leu	Gly	Leu	Ser	Phe	Ser	Ser	Phe	Asn	Ile	Thr
		195				200						205			
Val	Pro	Ala	Leu	Thr	Ile	Leu	Ser	Ser	Tyr	Ile	Phe	Ile	Ile	Ala	Ser
		210				215					220				
Ile	Leu	Arg	Ile	Pro	Ser	Thr	Glu	Gly	Arg	Ser	Lys	Ala	Phe	Ser	Thr
225					230					235					240
Cys	Ser	Ser	His	Ile	Leu	Ala	Val	Ala	Val	Phe	Phe	Gly	Ser	Leu	Ala
			245						250					255	
Phe	Met	Tyr	Leu	Gln	Pro	Ser	Ser	Val	Ser	Ser	Met	Asp	Gln	Gly	Lys
			260					265				270			
Val	Ser	Ser	Val	Phe	Tyr	Thr	Ile	Val	Val	Pro	Met	Leu	Asn	Pro	Leu
			275				280					285			

Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Val	Lys	Val	Ala	Phe	Tyr	Lys	Val
	290					295					300				
Val	Gly	Arg	Arg	Glu	Phe	Met									
305					310										

<210> 1689
 <211> 308
 <212> PRT
 <213> Mus musculus

<400> 1689

Met	Glu	Lys	Ser	Asn	Asp	Ser	Ser	Glu	Tyr	Gly	Phe	Ile	Leu	Glu	Gly
1				5					10					15	
Phe	Ser	Asp	Arg	Pro	Arg	Leu	Glu	Met	Val	Leu	Phe	Ile	Val	Asn	Phe
			20					25					30		
Thr	Leu	Tyr	Ser	Val	Ala	Val	Leu	Gly	Asn	Ile	Thr	Ile	Ile	Leu	Val
		35					40					45			
Cys	Ile	Leu	Asp	Pro	Arg	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Ala
	50					55					60				
Asn	Leu	Ser	Phe	Leu	Asp	Leu	Cys	Phe	Ser	Thr	Ser	Cys	Ile	Pro	Gln
65					70					75					80
Met	Leu	Val	Asn	Leu	Trp	Gly	Pro	Asp	Lys	Thr	Ile	Ser	Tyr	Ala	Gly
			85						90					95	
Cys	Val	Val	Gln	Leu	Phe	Ser	Phe	Leu	Ser	Ile	Gly	Ser	Val	Glu	Cys
			100					105					110		
Ile	Leu	Leu	Ala	Val	Met	Ala	Tyr	Asp	Arg	Tyr	Ala	Ala	Val	Cys	Lys
		115					120					125			
Pro	Leu	His	Tyr	Met	Val	Ile	Met	His	Pro	Gln	Leu	Cys	Val	Arg	Leu
	130					135					140				
Met	Ala	Val	Ala	Trp	Gly	Val	Gly	Leu	Ala	Asn	Ala	Ile	Ile	Met	Ser
145					150					155					160
Pro	Leu	Ala	Met	Thr	Leu	Ser	Arg	Cys	Gly	Arg	Arg	Arg	Ile	Asn	His
			165						170					175	
Phe	Leu	Cys	Glu	Met	Pro	Ala	Leu	Ile	Lys	Met	Ala	Cys	Val	Asp	Ala
			180					185					190		
Arg	Pro	Val	Glu	Met	Leu	Ser	Phe	Thr	Leu	Ala	Ile	Leu	Ile	Val	Leu
		195					200					205			
Leu	Pro	Leu	Thr	Leu	Ile	Leu	Val	Ser	Tyr	Gly	Tyr	Ile	Ala	Ala	Ala
	210					215					220				
Val	Leu	Arg	Ile	Lys	Ser	Ala	Ala	Gly	Arg	Trp	Lys	Ala	Phe	Asn	Thr
225					230					235					240
Cys	Ser	Ser	His	Leu	Thr	Val	Val	Ser	Leu	Phe	Tyr	Gly	Ser	Ile	Ile
			245						250					255	
Tyr	Met	Tyr	Met	Gln	Pro	Gly	Asn	Ser	Ser	Ser	Gln	Asp	Gln	Gly	Lys
			260					265					270		
Phe	Leu	Thr	Leu	Phe	Tyr	Asn	Leu	Val	Thr	Pro	Met	Leu	Asn	Pro	Leu
		275					280					285			
Ile	Tyr	Thr	Leu	Arg	Asn	Lys	Glu	Met	Lys	Gly	Ala	Leu	Lys	Lys	Val
	290					295					300				
Cys	Gly	Arg	His												
305															

<210> 1690
 <211> 316
 <212> PRT
 <213> Mus musculus

<400> 1690

Met	Gly	Ile	Leu	Lys	Asp	Gly	Asn	His	Thr	Ala	Val	Thr	Glu	Phe	Ile	
1				5					10					15		
Leu	Leu	Gly	Leu	Thr	Asp	Asp	Pro	Val	Leu	Lys	Val	Val	Leu	Phe	Thr	
			20					25					30			
Ile	Ile	Leu	Cys	Ile	Tyr	Leu	Val	Thr	Val	Ser	Gly	Asn	Leu	Ser	Thr	
		35					40					45				
Ile	Leu	Leu	Ile	Arg	Val	Ser	Ser	Gln	Leu	His	His	Pro	Met	Tyr	Phe	
	50					55					60					
Phe	Leu	Ser	His	Leu	Ala	Ser	Val	Asp	Ile	Gly	Ile	Ser	Ser	Ser	Val	
65					70					75					80	
Thr	Pro	Asn	Met	Leu	Val	Asn	Phe	Leu	Leu	Glu	Arg	Ser	Thr	Ile	Ser	
				85					90					95		
Tyr	Leu	Gly	Cys	Gly	Ile	Gln	Leu	Gly	Ser	Gly	Ala	Phe	Phe	Gly	Ser	
			100					105					110			
Thr	Glu	Ser	Phe	Leu	Leu	Ala	Ala	Met	Ala	Tyr	Asp	His	Phe	Met	Ala	
		115					120					125				
Ile	Cys	Asn	Pro	Leu	Leu	Tyr	Ser	Thr	Lys	Met	Ser	Thr	Gln	Val	Cys	
	130					135						140				
Ile	Gln	Leu	Leu	Val	Gly	Ser	Tyr	Ile	Gly	Gly	Phe	Leu	Asn	Ala	Ser	
145					150					155					160	
Ser	Phe	Ile	Leu	Ser	Phe	Phe	Ser	Phe	Leu	Phe	Cys	Gly	Pro	Asn	Lys	
				165					170					175		
Val	Asn	His	Phe	Phe	Cys	Asp	Phe	Thr	Pro	Leu	Val	Glu	Leu	Ser	Cys	
			180					185					190			
Ser	Asp	Asn	Ser	Val	Leu	Leu	Ile	Leu	Asp	Ser	Phe	Ser	Ala	Gly	Ser	
		195					200					205				
Ile	Ile	Val	Ile	Thr	Val	Leu	Val	Ile	Ala	Ile	Ser	Tyr	Thr	Tyr	Ile	
	210				215						220					
Leu	Ile	Thr	Ile	Leu	Lys	Met	His	Ser	Thr	Glu	Gly	Arg	His	Lys	Ala	
225					230					235					240	
Phe	Ser	Thr	Cys	Thr	Ser	His	Leu	Thr	Ala	Val	Thr	Val	Phe	Tyr	Gly	
				245					250					255		
Thr	Val	Thr	Phe	Ile	Tyr	Val	Met	Pro	Lys	Ser	Ser	Tyr	Ser	Thr	Asp	
			260				265						270			
Gln	Asn	Lys	Val	Leu	Ser	Val	Phe	Tyr	Met	Ile	Ala	Ile	Ala	Ile	Pro	
		275					280					285				
Met	Leu	Asn	Pro	Leu	Ile	Tyr	Ser	Leu	Arg	Asn	Asn	Glu	Ile	Lys	Asn	
	290					295					300					
Ala	Leu	Lys	Arg	Gln	Leu	Ser	Lys	Lys	Thr	Phe	Ser					
305					310					315						

<210> 1691

<211> 314

<212> PRT

<213> Mus musculus

<400> 1691

Met	Leu	Met	Gly	Gly	Ala	Asn	Leu	Ser	Val	Val	Ser	Glu	Phe	Val	Phe	
1				5					10					15		
Leu	Gly	Leu	Thr	Asn	Ser	Trp	Asp	Ile	Gln	Leu	Leu	Leu	Phe	Val	Phe	
			20					25					30			
Ser	Ser	Val	Phe	Tyr	Val	Ala	Ser	Met	Met	Gly	Asn	Ser	Leu	Ile	Ile	
		35					40					45				
Phe	Thr	Val	Ala	Ser	Asp	Pro	His	Leu	His	Thr	Pro	Met	Tyr	Phe	Leu	
	50					55					60					
Leu	Ala	Asn	Leu	Ser	Phe	Ile	Asp	Leu	Gly	Val	Ser	Ser	Val	Thr	Ser	
65					70					75					80	

Pro	Lys	Met	Ile	Tyr	Asp	Leu	Phe	Arg	Lys	His	Lys	Val	Ile	Ser	Phe	
				85					90					95		
Thr	Gly	Cys	Val	Ile	Gln	Ile	Phe	Ser	Ile	His	Val	Ile	Gly	Gly	Val	
			100					105					110			
Glu	Met	Val	Leu	Leu	Ile	Ala	Met	Ala	Phe	Asp	Arg	Tyr	Val	Ala	Ile	
		115					120					125				
Cys	Lys	Pro	Leu	His	Tyr	Leu	Thr	Ile	Leu	Ser	Pro	Arg	Met	Cys	Leu	
	130					135					140					
Phe	Phe	Val	Val	Ile	Ala	Trp	Ile	Val	Gly	Leu	Ile	His	Ser	Leu	Ala	
145					150					155					160	
Gln	Leu	Val	Phe	Val	Ile	Asn	Leu	Pro	Phe	Cys	Gly	Pro	Asn	Val	Leu	
			165						170					175		
Asp	Ser	Phe	Tyr	Cys	Asp	Leu	Pro	Arg	Phe	Ile	Lys	Leu	Ala	Cys	Val	
			180					185					190			
Asp	Thr	His	Lys	Leu	Glu	Phe	Met	Val	Thr	Ala	Asn	Ser	Gly	Phe	Ile	
		195					200					205				
Ser	Val	Gly	Ser	Phe	Phe	Ile	Leu	Ile	Val	Ser	Tyr	Ile	Val	Ile	Ile	
	210					215					220					
Ile	Ser	Val	Gln	Lys	His	Ser	Ser	Gly	Gly	Phe	Ser	Lys	Ala	Leu	Ser	
225					230					235					240	
Thr	Leu	Ser	Ala	His	Ile	Ser	Val	Val	Val	Leu	Phe	Phe	Gly	Pro	Leu	
			245						250					255		
Ile	Phe	Val	Tyr	Thr	Trp	Pro	Thr	Pro	Ser	Val	His	Leu	Asp	Lys	Phe	
		260					265					270				
Leu	Ala	Ile	Phe	Asp	Ala	Val	Ile	Thr	Pro	Phe	Leu	Asn	Pro	Val	Ile	
		275					280					285				
Tyr	Thr	Phe	Arg	Asn	Gln	Glu	Met	Lys	Met	Ala	Met	Lys	Arg	Val	Phe	
	290					295					300					
Lys	Gln	Leu	Leu	Ser	Tyr	Arg	Lys	Ile	Ser							
305					310											

<210> 1692

<211> 314

<212> PRT

<213> Mus musculus

<400> 1692

Met	Ala	Gly	Arg	Asn	Tyr	Thr	Phe	Val	Thr	Glu	Phe	Phe	Leu	Thr	Ala	
1				5					10				15			
Phe	Thr	Glu	His	Pro	Glu	Trp	Gly	Leu	Pro	Leu	Phe	Leu	Leu	Phe	Leu	
			20				25					30				
Ser	Phe	Tyr	Leu	Ala	Thr	Leu	Leu	Gly	Asn	Thr	Gly	Met	Ile	Ile	Leu	
		35					40				45					
Ile	Gln	Lys	Asn	Arg	Arg	Leu	Gln	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Ser	
	50					55					60					
His	Leu	Ser	Phe	Val	Asp	Ile	Cys	Tyr	Ser	Ser	Val	Ile	Ile	Pro	Gln	
65					70					75					80	
Met	Leu	Ala	Val	Leu	Trp	Glu	His	Gly	Ser	Thr	Ile	Ser	Gln	Val	Arg	
			85						90					95		
Cys	Ala	Val	Gln	Phe	Phe	Leu	Phe	Thr	Phe	Phe	Ala	Ser	Ile	Asp	Cys	
		100						105					110			
Tyr	Leu	Leu	Ala	Ile	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Val	Cys	Gln	
	115						120					125				
Pro	Leu	Leu	Tyr	Val	Thr	Ile	Met	Thr	Glu	Lys	Ala	Arg	Val	Gly	Leu	
	130					135					140					
Val	Thr	Gly	Ala	Tyr	Val	Ala	Gly	Phe	Ser	Ser	Gly	Phe	Ile	Arg	Thr	
145					150					155					160	
Val	Thr	Ala	Phe	Thr	Leu	Ser	Phe	Cys	Gly	Asn	Asn	Glu	Ile	Asn	Phe	

Ile	Phe	Cys	Asp	165	Leu	Pro	Pro	Leu	Leu	170	Lys	Leu	Val	Cys	Gly	175	Asp	Ser
			180							185						190		
Tyr	Ile	Gln	Glu	Val	Val	Ile	Ile	Val	Phe	Ala	Ile	Phe	Val	Met	Pro			
		195						200						205				
Ala	Cys	Ile	Val	Val	Ile	Ser	Val	Ser	Tyr	Leu	Phe	Ile	Ile	Val	Ala			
	210						215					220						
Ile	Met	Gln	Ile	Arg	Ser	Ala	Gly	Gly	Arg	Ala	Lys	Thr	Phe	Ser	Thr			
225					230					235					240			
Cys	Thr	Ser	His	Leu	Thr	Ala	Val	Ala	Leu	Phe	Phe	Gly	Thr	Leu	Ile			
			245						250					255				
Phe	Met	Tyr	Leu	Arg	Asp	Asn	Thr	Asp	Gln	Phe	Ser	Glu	Arg	Asp	Arg			
		260						265					270					
Val	Val	Ser	Val	Phe	Tyr	Thr	Val	Val	Thr	Pro	Leu	Leu	Asn	Pro	Leu			
		275					280						285					
Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Glu	Val	Lys	Glu	Ala	Ile	Thr	Lys	Ser			
	290				295						300							
Leu	Arg	Arg	Ser	Lys	Ile	Ser	Arg	Ala	Pro									
305					310													

<210> 1693

<211> 329

<212> PRT

<213> Mus musculus

<400> 1693

Met	Ile	Ser	Phe	Asn	Ile	Arg	Arg	Ile	Phe	Val	Val	Ser	Met	Thr	Trp			
1				5					10					15				
Glu	Asn	His	Ser	Val	Leu	Met	Glu	Phe	Val	Phe	Leu	Ala	Tyr	Pro	Asn			
		20						25					30					
Arg	Leu	Glu	Leu	Arg	Met	Phe	Cys	Phe	Leu	Gly	Ile	Ser	Leu	Ala	Tyr			
		35					40					45						
Ala	Leu	Ile	Ile	Ser	Gly	Asn	Ile	Leu	Ile	Met	Val	Ser	Ile	Gln	Thr			
	50					55					60							
Glu	Thr	Arg	Leu	His	Ser	Pro	Met	Tyr	Tyr	Phe	Leu	Gly	Ser	Leu	Ser			
65				70						75				80				
Gly	Ile	Glu	Leu	Cys	Tyr	Thr	Ala	Val	Val	Val	Pro	His	Ile	Leu	Ala			
			85						90					95				
Asn	Thr	Leu	Lys	Ser	Glu	Lys	Asn	Ile	Thr	Leu	Leu	Ser	Cys	Ala	Thr			
		100						105					110					
Gln	Met	Val	Phe	Phe	Ile	Gly	Leu	Gly	Ser	Ala	Asp	Cys	Phe	Leu	Leu			
		115					120					125						
Ala	Ser	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	His	Pro	Leu	Gln			
	130					135					140							
Tyr	Pro	Leu	Ile	Met	Thr	Val	Thr	Leu	Cys	Val	Arg	Leu	Val	Leu	Ala			
145				150						155				160				
Ser	Val	Val	Ile	Gly	Leu	Val	Leu	Ser	Leu	Gln	Leu	Val	Val	Phe	Ile			
			165						170					175				
Phe	Cys	Leu	Pro	Phe	Cys	Gln	Asp	Arg	Gly	Ile	Glu	His	Phe	Phe	Cys			
		180						185					190					
Asp	Val	Pro	Pro	Val	Met	Arg	Leu	Val	Cys	Ala	Thr	Ser	His	Ile	His			
		195					200					205						
Glu	Leu	Ser	Val	Leu	Val	Ala	Ala	Ala	Leu	Ala	Ile	Ala	Val	Pro	Phe			
	210					215					220							
Phe	Phe	Ile	Ala	Thr	Thr	Tyr	Ala	Leu	Ile	Val	Ala	Ala	Val	Leu	Lys			
225				230						235				240				
Leu	His	Ser	Ala	Ala	Gly	Arg	His	Arg	Ala	Phe	Asn	Thr	Cys	Ser	Ser			
			245						250					255				

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 <211> 314
 <212> PRT
 <213> Mus musculus

<400> 1695

Met	Ala	Phe	Leu	Glu	Val	Gly	Asn	His	Thr	Ala	Val	Thr	Glu	Phe	Ile
1				5					10					15	
Leu	Leu	Gly	Leu	Thr	Asp	Asp	Pro	Val	Leu	Arg	Val	Val	Leu	Phe	Thr
			20				25						30		
Ile	Ile	Leu	Cys	Ile	Tyr	Leu	Val	Thr	Val	Met	Gly	Asn	Leu	Ser	Thr
		35				40						45			
Ile	Leu	Leu	Ile	Arg	Val	Ser	Ser	Gln	Leu	His	His	Pro	Met	Tyr	Phe
	50					55					60				
Phe	Leu	Ser	His	Leu	Ala	Ser	Val	Asp	Met	Gly	Leu	Ser	Ser	Ser	Val
65				70						75					80
Thr	Pro	Asn	Met	Leu	Leu	Asn	Phe	Leu	Ile	Glu	Arg	Asn	Thr	Ile	Ser
			85						90					95	
Tyr	Leu	Gly	Cys	Gly	Ile	Gln	Gln	Ser	Leu	Ala	Asp	Phe	Phe	Gly	Ser
			100					105					110		
Val	Glu	Cys	Phe	Leu	Leu	Ala	Ala	Met	Ala	Tyr	Asp	Arg	Phe	Met	Ala
		115					120					125			
Ile	Cys	Asn	Pro	Leu	Leu	Tyr	Ser	Thr	Lys	Met	Ser	Thr	Lys	Val	Cys
	130					135					140				
Val	Gln	Leu	Val	Val	Gly	Ser	Tyr	Ile	Gly	Gly	Phe	Leu	Asn	Ala	Ser
145					150					155					160
Leu	Ile	Met	Phe	Tyr	Phe	Phe	Ser	Phe	Leu	Phe	Cys	Gly	Pro	Asn	Arg
			165						170					175	
Val	Asp	His	Phe	Phe	Cys	Asp	Phe	Ala	Pro	Leu	Val	Glu	Leu	Ser	Cys
		180						185					190		
Ser	Asp	Val	Ser	Val	Ser	Val	Ile	Val	Ile	Ser	Phe	Ser	Ala	Gly	Ser
		195					200					205			
Val	Thr	Met	Ile	Thr	Val	Phe	Val	Ile	Ala	Val	Ser	Tyr	Ser	Tyr	Ile
	210					215					220				
Leu	Ile	Thr	Ile	Leu	Lys	Met	His	Ser	Ile	Glu	Gly	Arg	His	Lys	Ala
225					230					235					240
Phe	Ser	Thr	Cys	Thr	Ser	His	Leu	Thr	Ala	Val	Thr	Leu	Tyr	Tyr	Gly
			245						250					255	
Thr	Ile	Thr	Phe	Ile	Tyr	Val	Met	Pro	Lys	Ser	Ser	Phe	Ser	Thr	Asp
			260					265					270		
Gln	Asn	Lys	Val	Val	Ser	Val	Phe	Tyr	Met	Val	Met	Ile	Pro	Met	Leu
		275					280					285			
Asn	Pro	Leu	Ile	Tyr	Ser	Leu	Arg	Asn	Asn	Glu	Ile	Lys	Gly	Ala	Ile
	290					295					300				
Lys	Arg	Gln	Leu	Gly	Lys	Lys	Met	Ser	Cys						
305					310										

<210> 1696
 <211> 314
 <212> PRT
 <213> Mus musculus

<400> 1696

Met	Ala	Phe	Leu	Gln	Asp	Gly	Asn	His	Thr	Ala	Val	Thr	Glu	Phe	Ile
1				5					10					15	
Leu	Leu	Gly	Leu	Thr	Asp	Gly	Pro	Ile	Leu	Arg	Val	Ile	Leu	Phe	Thr
			20					25					30		

Ile	Ile	Leu	Cys	Ile	Tyr	Leu	Val	Thr	Val	Ser	Gly	Asn	Leu	Ser	Thr
		35					40					45			
Ile	Leu	Leu	Ile	Arg	Val	Ser	Ser	Gln	Leu	His	His	Pro	Met	Tyr	Phe
	50					55					60				
Phe	Leu	Ser	His	Leu	Ala	Ser	Val	Asp	Met	Gly	Leu	Ser	Ser	Ser	Val
65					70					75					80
Thr	Pro	Asn	Met	Leu	Val	Asn	Phe	Leu	Val	Lys	Gln	Asn	Thr	Ile	Ser
				85					90					95	
Tyr	Ile	Ala	Cys	Ser	Ile	Gln	Phe	Gly	Leu	Ala	Ala	Phe	Phe	Gly	Thr
			100					105					110		
Val	Glu	Cys	Phe	Leu	Leu	Ala	Ala	Met	Ala	Tyr	Asp	Arg	Phe	Val	Ala
		115					120					125			
Ile	Cys	Asn	Pro	Leu	Leu	Tyr	Ser	Thr	Lys	Ile	Ser	Thr	Glu	Ser	Cys
	130					135					140				
Ile	Gln	Leu	Val	Val	Gly	Ser	Tyr	Ile	Gly	Gly	Phe	Leu	Asn	Ala	Ser
145					150					155					160
Ser	Phe	Ile	Leu	Ser	Phe	Phe	Ser	Phe	Ile	Phe	Cys	Gly	Pro	Asn	Arg
				165					170					175	
Ile	Asn	His	Phe	Tyr	Cys	Asp	Leu	Ala	Pro	Leu	Val	Glu	Leu	Ser	Cys
			180					185					190		
Ser	Asp	Val	Ser	Val	Ser	Val	Val	Val	Thr	Ser	Phe	Ser	Ala	Gly	Ser
		195					200						205		
Val	Thr	Val	Ile	Thr	Val	Phe	Val	Ile	Ala	Val	Ser	Tyr	Ser	Tyr	Ile
	210					215					220				
Leu	Ile	Thr	Ile	Leu	Lys	Met	His	Ser	Thr	Glu	Gly	Arg	His	Lys	Ala
225					230					235					240
Phe	Ser	Thr	Cys	Thr	Ser	His	Leu	Thr	Ala	Val	Thr	Leu	Tyr	Tyr	Gly
				245					250					255	
Thr	Ile	Thr	Phe	Ile	Tyr	Val	Met	Pro	Lys	Ser	Ser	Tyr	Ser	Thr	Asp
			260				265						270		
Gln	Asn	Lys	Val	Val	Ser	Val	Phe	Tyr	Met	Val	Val	Ile	Pro	Met	Leu
		275					280					285			
Asn	Pro	Leu	Ile	Tyr	Ser	Leu	Arg	Asn	Asn	Glu	Ile	Lys	Gly	Ala	Ile
		290				295					300				
Lys	Arg	Gln	Leu	Gly	Lys	Lys	Met	Phe	Cys						
305					310										

<210> 1697

<211> 310

<212> PRT

<213> Mus musculus

<400> 1697

Met	Glu	Pro	Gly	Asn	His	Thr	Ala	Val	Thr	Lys	Phe	Ile	Leu	Leu	Gly
1				5					10					15	
Leu	Thr	Asp	Asp	Pro	Thr	Leu	Cys	Val	Ile	Phe	Phe	Val	Phe	Phe	Leu
			20					25					30		
Gly	Ile	Tyr	Ile	Val	Thr	Leu	Val	Gly	Asn	Ile	Ser	Ile	Ile	Asn	Leu
		35					40					45			
Val	Arg	Ser	Cys	Pro	Gln	Leu	Gln	Thr	Pro	Met	Tyr	Met	Phe	Leu	Ser
	50					55					60				
His	Leu	Ala	Phe	Val	Asp	Ile	Gly	Tyr	Ser	Thr	Ser	Val	Thr	Pro	Ile
65					70					75					80
Met	Leu	Ile	Gly	Phe	Ile	Val	His	Glu	Thr	Gly	Leu	Pro	Val	His	Ala
				85					90					95	
Cys	Glu	Ala	Gln	Leu	Cys	Ser	Val	Val	Thr	Phe	Gly	Thr	Ala	Glu	Cys
			100					105					110		
Phe	Leu	Leu	Ala	Ala	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Ser

Pro	Leu	Leu	Tyr	Ser	Thr	His	Met	Ser	Ser	Gln	Ile	Cys	Leu	Leu	Leu
115	130					135					140				
Val	Gly	Ala	Ser	Tyr	Val	Gly	Gly	Cys	Val	Asn	Ala	Trp	Thr	Phe	Thr
145					150					155					160
Gly	Cys	Leu	Leu	Ser	Leu	Ser	Phe	Cys	Gly	Pro	Asn	Lys	Ile	Asp	His
				165					170					175	
Phe	Phe	Cys	Asp	Phe	Ser	Pro	Leu	Leu	Lys	Leu	Ser	Cys	Ser	Asp	Val
			180					185					190		
Ser	Ile	Ile	Gly	Ile	Ile	Pro	Ser	Ile	Ser	Ala	Gly	Ser	Ile	Ile	Val
	195					200					205				
Val	Thr	Val	Phe	Val	Ile	Ser	Val	Ser	Tyr	Ile	Tyr	Ile	Leu	Ile	Thr
	210				215						220				
Ile	Leu	Lys	Met	Arg	Ser	Thr	Glu	Gly	Arg	His	Lys	Ala	Phe	Ser	Thr
225					230					235					240
Cys	Thr	Ser	His	Leu	Thr	Ala	Val	Thr	Leu	Tyr	Tyr	Gly	Thr	Ile	Thr
			245						250					255	
Phe	Ile	Tyr	Val	Met	Pro	Lys	Ser	Ser	Tyr	Ser	Thr	Lys	Gln	Asn	Arg
			260					265					270		
Val	Val	Ser	Leu	Phe	Tyr	Thr	Val	Val	Ile	Pro	Met	Leu	Asn	Pro	Leu
	275						280					285			
Ile	Tyr	Ser	Leu	Arg	Asn	Arg	Asp	Val	Lys	Glu	Ala	Leu	Arg	Lys	Ala
	290				295						300				
Thr	Leu	Arg	Ile	Tyr	Ser										
305					310										

<210> 1698

<211> 315

<212> PRT

<213> Mus musculus

<400> 1698

Met	Ala	Phe	Leu	Gln	Asp	Gly	Asn	His	Thr	Ala	Val	Thr	Glu	Phe	Ile
1			5						10				15		
Leu	Leu	Gly	Leu	Thr	Asp	Asp	Pro	Val	Leu	Arg	Val	Val	Leu	Phe	Thr
		20					25					30			
Ile	Ile	Leu	Cys	Ile	Tyr	Leu	Val	Thr	Val	Phe	Gly	Asn	Leu	Ser	Thr
	35					40						45			
Ile	Leu	Leu	Ile	Arg	Val	Ser	Gln	Leu	His	His	Pro	Met	Tyr	Phe	
	50				55				60						
Phe	Leu	Ser	His	Leu	Ala	Ser	Val	Asp	Ile	Gly	Ile	Ser	Ser	Ser	Val
65				70					75						80
Thr	Pro	Ser	Met	Leu	Val	Asn	Phe	Leu	Leu	Glu	Arg	Ser	Thr	Ile	Ser
			85					90					95		
Tyr	Leu	Gly	Cys	Gly	Ile	Gln	Leu	Gly	Ser	Ala	Asp	Phe	Ile	Ala	Ser
		100					105						110		
Val	Glu	Cys	Phe	Leu	Leu	Ala	Ala	Met	Ala	Tyr	Asp	Arg	Phe	Met	Ala
	115					120					125				
Val	Cys	Asn	Pro	Leu	Leu	Tyr	Ser	Thr	Lys	Met	Ser	Thr	Gln	Val	Cys
	130					135					140				
Val	Gln	Leu	Val	Val	Gly	Ser	Tyr	Ile	Gly	Gly	Phe	Leu	Asn	Ala	Ser
145					150					155					160
Leu	Ile	Val	Thr	Val	Tyr	Phe	Phe	Ser	Phe	Leu	Phe	Cys	Gly	Pro	Asn
			165					170					175		
Arg	Ile	Asp	His	Phe	Phe	Cys	Asp	Phe	Ala	Pro	Leu	Ala	Glu	Leu	Ser
		180						185					190		
Cys	Ser	Asp	Val	Ser	Val	Ser	Val	Leu	Ile	Ile	Ser	Phe	Ser	Ala	Gly
	195					200						205			

Ser	Val	Thr	Met	Ile	Thr	Val	Phe	Val	Ile	Val	Ile	Ser	Tyr	Ser	Tyr
210						215					220				
Ile	Leu	Ile	Thr	Ile	Leu	Lys	Met	His	Ser	Thr	Glu	Gly	Arg	His	Lys
225					230					235					240
Ala	Phe	Ser	Thr	Cys	Thr	Ser	His	Leu	Thr	Ala	Val	Thr	Leu	Tyr	Tyr
				245					250					255	
Gly	Thr	Ile	Thr	Phe	Ile	Tyr	Val	Met	Pro	Lys	Ser	Ser	Phe	Ser	Thr
			260					265					270		
Asp	Gln	Asn	Lys	Val	Val	Ser	Val	Phe	Tyr	Met	Val	Met	Ile	Pro	Met
			275					280				285			
Leu	Asn	Pro	Leu	Ile	Tyr	Ser	Leu	Ser	Asn	Asn	Glu	Ile	Lys	Gly	Ala
290						295					300				
Leu	Lys	Arg	Gln	Leu	Gly	Met	Lys	Thr	Leu	Ser					
305					310					315					

<210> 1699

<211> 314

<212> PRT

<213> Mus musculus

<400> 1699

Met	Ala	Phe	Gln	Glu	Asp	Gly	Asn	His	Thr	Ala	Val	Thr	Glu	Phe	Val
1				5					10					15	
Leu	Phe	Gly	Leu	Thr	Asp	Asp	Pro	Val	Leu	Arg	Val	Ile	Leu	Phe	Ile
			20					25					30		
Ile	Phe	Leu	Cys	Ile	Tyr	Leu	Val	Thr	Val	Ser	Gly	Asn	Leu	Ser	Thr
		35					40					45			
Ile	Leu	Leu	Ile	Arg	Val	Ser	Ser	Gln	Leu	His	His	Pro	Met	Tyr	Phe
50						55					60				
Phe	Leu	Ser	His	Leu	Ala	Phe	Ala	Asp	Ile	Gly	Tyr	Ser	Ser	Ser	Val
65					70					75					80
Thr	Pro	Asn	Met	Leu	Val	Asn	Phe	Leu	Val	Glu	Arg	His	Thr	Ile	Ser
				85					90					95	
Tyr	Ile	Gly	Cys	Ala	Ile	Gln	Leu	Gly	Ser	Val	Val	Phe	Phe	Gly	Ser
			100					105					110		
Ser	Glu	Cys	Phe	Ile	Leu	Ala	Ala	Met	Ala	Tyr	Asp	Arg	Phe	Met	Ala
		115					120					125			
Ile	Cys	Asn	Pro	Leu	Leu	Tyr	Ser	Thr	Lys	Met	Ser	Thr	Gln	Val	Cys
		130					135					140			
Val	Gln	Leu	Leu	Leu	Ile	Ala	Tyr	Ile	Gly	Gly	Phe	Leu	Asn	Thr	Trp
145					150					155					160
Ser	Phe	Thr	Ile	Cys	Phe	Tyr	Ser	Leu	Val	Phe	Cys	Gly	Pro	Asn	Gly
				165					170					175	
Val	Asn	His	Phe	Phe	Cys	Asp	Phe	Ala	Pro	Leu	Ile	Glu	Leu	Ser	Cys
			180					185					190		
Ser	Asp	Val	Ser	Val	Pro	Ala	Thr	Val	Pro	Ser	Phe	Thr	Ala	Gly	Ser
		195					200						205		
Ile	Ile	Val	Val	Thr	Val	Ile	Val	Ile	Ala	Ile	Ser	Tyr	Ile	Tyr	Ile
		210				215						220			
Leu	Ile	Thr	Ile	Leu	Lys	Met	His	Ser	Thr	Glu	Gly	Arg	Gln	Lys	Ala
225					230					235					240
Phe	Ser	Thr	Cys	Thr	Ser	His	Leu	Thr	Ala	Val	Thr	Leu	Phe	Tyr	Gly
				245					250					255	
Thr	Ile	Thr	Phe	Ile	Tyr	Val	Met	Pro	Lys	Ser	Ser	Phe	Ser	Thr	Asp
			260					265					270		
Gln	Asn	Lys	Val	Val	Ser	Val	Phe	Tyr	Met	Val	Val	Ile	Pro	Met	Leu
		275					280					285			
Asn	Pro	Leu	Ile	Tyr	Ser	Leu	Arg	Asn	Asn	Glu	Ile	Lys	Gly	Ala	Leu

290		295		300					
Lys	Arg	Gln	Ile	Gly	Arg	Lys	Ile	Phe	Ser
305					310				

<210> 1700
 <211> 323
 <212> PRT
 <213> Mus musculus

<400> 1700

Met	Ala	Phe	Leu	Glu	Asp	Gly	Asn	His	Thr	Ala	Val	Thr	Glu	Phe	Ile
1				5					10					15	
Leu	Val	Gly	Leu	Thr	Asp	Asp	Pro	Val	Leu	Lys	Val	Ile	Leu	Phe	Thr
			20					25					30		
Ile	Ile	Leu	Cys	Ile	Tyr	Leu	Val	Thr	Val	Ser	Gly	Asn	Leu	Ser	Thr
		35					40					45			
Ile	Leu	Leu	Ile	Arg	Val	Ser	Ser	Gln	Leu	His	His	Pro	Met	Tyr	Phe
	50					55					60				
Phe	Leu	Ser	His	Leu	Ala	Ser	Val	Asp	Leu	Gly	Tyr	Ser	Ser	Ser	Val
65					70					75					80
Thr	Pro	Asn	Met	Leu	Ile	Asn	Phe	Leu	Ala	Glu	Asn	Asn	Thr	Ile	Ser
			85					90						95	
Tyr	Ile	Gly	Cys	Ser	Ile	Gln	Phe	Gly	Ser	Ala	Thr	Phe	Phe	Gly	Val
			100					105					110		
Leu	Glu	Cys	Phe	Leu	Leu	Ala	Val	Met	Ala	Tyr	Asp	Arg	Phe	Val	Ala
		115					120					125			
Ile	Cys	Asn	Pro	Leu	Leu	Tyr	Ser	Ile	Lys	Met	Ser	Thr	Gln	Val	Cys
	130					135					140				
Val	Lys	Leu	Val	Val	Gly	Ser	Tyr	Ile	Gly	Ser	Ser	Leu	Asn	Ala	Ser
145					150					155					160
Phe	Val	Thr	Val	Ser	Ile	Phe	Asn	Leu	Leu	Phe	Cys	Gly	Pro	Asn	Lys
			165					170						175	
Ile	Asn	His	Phe	Phe	Cys	Asp	Phe	Asp	Pro	Leu	Ile	Glu	Leu	Ser	Cys
			180					185					190		
Ser	Asp	Val	Ser	Val	Pro	Val	Ala	Val	Thr	Ser	Cys	Ser	Ala	Gly	Leu
	195						200						205		
Ile	Thr	Met	Ile	Thr	Val	Phe	Val	Ile	Ala	Val	Ser	Tyr	Thr	Tyr	Ile
	210					215						220			
Leu	Ile	Thr	Val	Leu	Lys	Met	Arg	Ser	Thr	Glu	Gly	Arg	His	Lys	Ala
225					230					235					240
Phe	Ser	Thr	Cys	Thr	Ser	His	Leu	Thr	Ala	Val	Thr	Leu	Phe	Tyr	Gly
			245						250					255	
Thr	Val	Thr	Phe	Ile	Tyr	Val	Met	Pro	Lys	Ser	Asn	Tyr	Ser	Thr	Asp
			260					265					270		
Gln	Asn	Lys	Val	Val	Ser	Val	Phe	Tyr	Met	Val	Val	Ile	Pro	Met	Leu
	275						280					285			
Asn	Pro	Leu	Ile	Tyr	Ser	Leu	Arg	Asn	Asn	Glu	Ile	Lys	Gly	Ala	Leu
	290					295					300				
Lys	Arg	Gln	Leu	Gly	Lys	Lys	Ile	Phe	Ser	Gln	Ser	Asn	Ile	Leu	Phe
305					310					315					320
Cys	Lys	Ser													

<210> 1701
 <211> 314
 <212> PRT
 <213> Mus musculus

<400> 1701

Met	Ala	Phe	Leu	Asp	Asn	Gly	Asn	His	Thr	Ala	Val	Thr	Glu	Phe	Ile
1				5				10						15	
Leu	Leu	Gly	Leu	Thr	Asp	Asp	Pro	Phe	Leu	Arg	Ile	Val	Leu	Phe	Ser
			20					25					30		
Ile	Ile	Leu	Cys	Ile	Tyr	Leu	Val	Thr	Val	Phe	Gly	Asn	Leu	Ser	Thr
		35					40					45			
Ile	Leu	Leu	Ile	Arg	Val	Ser	Ser	Gln	Leu	His	His	Pro	Met	Tyr	Phe
	50					55					60				
Phe	Leu	Ser	His	Leu	Ala	Thr	Val	Asp	Leu	Gly	Ile	Ser	Ser	Ser	Val
65					70					75					80
Thr	Pro	Ser	Met	Leu	Val	Asn	Phe	Leu	Ala	Glu	Arg	Ser	Thr	Ile	Ser
				85					90					95	
Tyr	Leu	Gly	Cys	Gly	Ile	Gln	Leu	Ser	Ser	Ala	Ala	Leu	Phe	Gly	Thr
			100					105					110		
Leu	Glu	Cys	Phe	Leu	Leu	Ala	Val	Met	Ala	Tyr	Asp	Arg	Phe	Met	Ala
		115					120					125			
Ile	Cys	Asn	Pro	Leu	Leu	Tyr	Ser	Thr	Lys	Leu	Ser	Thr	Arg	Phe	Cys
	130					135						140			
Ile	Gln	Leu	Val	Val	Gly	Ser	Tyr	Ile	Gly	Ala	Phe	Leu	Asn	Asp	Ser
145					150					155					160
Cys	Tyr	Ile	Leu	Ser	Phe	Ala	Phe	Phe	Leu	Phe	Cys	Gly	Pro	Asn	Lys
				165					170					175	
Val	Asp	His	Phe	Phe	Cys	Asp	Leu	Ser	Pro	Met	Met	Glu	Leu	Ser	Cys
			180					185					190		
Ser	Asp	Ala	Ser	Val	Ser	Gly	Val	Val	Ile	Ser	Phe	Thr	Ala	Gly	Ser
		195					200						205		
Ile	Thr	Met	Thr	Thr	Leu	Ile	Val	Ile	Val	Ile	Ser	Tyr	Phe	Tyr	Ile
	210					215						220			
Leu	Ile	Thr	Ile	Leu	Lys	Met	Arg	Ser	Thr	Glu	Gly	Arg	Gln	Lys	Ala
225					230					235					240
Phe	Ser	Thr	Cys	Thr	Ser	His	Leu	Thr	Ala	Val	Thr	Leu	Tyr	Tyr	Gly
				245					250					255	
Thr	Ile	Ile	Phe	Ile	Tyr	Val	Met	Pro	Lys	Ser	Thr	Tyr	Ser	Arg	Asp
			260					265						270	
Gln	Asn	Lys	Val	Val	Ser	Leu	Phe	Tyr	Met	Val	Val	Ile	Pro	Met	Leu
		275					280					285			
Asn	Pro	Leu	Ile	Tyr	Ser	Leu	Arg	Asn	Asn	Glu	Ile	Lys	Gly	Ala	Leu
		290				295					300				
Lys	Lys	Gln	Phe	Tyr	Arg	Lys	Thr	Leu	Leu						
305					310										

<210> 1702

<211> 315

<212> PRT

<213> Mus musculus

<400> 1702

Met	Gly	Tyr	Thr	Asn	Leu	Ser	Tyr	Leu	Asn	Pro	Gly	Thr	Val	Ile	Leu
1				5					10					15	
Ile	Gly	Ile	Pro	Gly	Leu	Glu	His	Val	Gln	Phe	Trp	Ile	Gly	Phe	Pro
			20					25					30		
Phe	Phe	Val	Val	Cys	Leu	Val	Ala	Leu	Leu	Gly	Asn	Leu	Phe	Leu	Leu
		35					40					45			
Ile	Ile	Ile	Pro	Thr	Glu	Arg	Ser	Leu	His	Gln	Pro	Met	Tyr	Ile	Phe
	50					55					60				
Leu	Ala	Val	Leu	Ala	Ala	Thr	Asp	Leu	Gly	Leu	Cys	Leu	Ala	Ile	Ala

65					70					75					80
Pro	Lys	Met	Leu	Ala	Ile	Phe	Trp	Phe	Gly	Ser	Cys	Ser	Met	Ala	Phe
				85					90					95	
Asp	Ala	Cys	Leu	Thr	Gln	Leu	Phe	Phe	Ile	His	Ala	Leu	Gln	Gly	Met
			100					105					110		
Glu	Ser	Gly	Val	Leu	Leu	Ala	Met	Ala	Phe	Asp	Arg	Tyr	Val	Ala	Ile
		115					120					125			
Cys	Asp	Pro	Leu	Arg	His	Thr	Ala	Val	Leu	Thr	Pro	Leu	Phe	Leu	Leu
	130					135					140				
Arg	Val	Val	Leu	Val	Val	Ala	Ile	Arg	Ala	Thr	Val	Leu	Val	Gly	Val
145					150					155					160
Leu	Pro	Ile	Leu	Leu	Lys	Arg	Leu	Gln	Trp	Phe	His	Ser	Val	Val	Ile
			165					170						175	
Val	His	Ser	Tyr	Cys	Glu	His	Met	Ala	Val	Val	Lys	Leu	Ala	Ala	Glu
			180					185					190		
Asp	Val	Arg	Ile	Asn	Lys	Ser	Tyr	Gly	Leu	Phe	Val	Ala	Phe	Ala	Ile
		195					200					205			
Leu	Gly	Phe	Asp	Met	Ile	Phe	Val	Phe	Ile	Ser	Tyr	Ile	Leu	Ile	Phe
	210					215					220				
Arg	Ala	Val	Phe	Arg	Leu	Pro	Gln	Lys	Glu	Ala	Arg	Ser	Lys	Ala	Phe
225					230					235					240
Asn	Thr	Cys	Thr	Ala	His	Ile	Val	Val	Phe	Leu	Glu	Phe	Tyr	Ile	Leu
				245					250					255	
Ala	Phe	Phe	Ser	Phe	Phe	Ser	His	Arg	Phe	Gly	His	Val	Ser	Pro	Tyr
			260					265					270		
Val	His	Ile	Leu	Leu	Ser	Thr	Ile	Tyr	Leu	Leu	Leu	Pro	Pro	Ala	Leu
		275					280					285			
Asn	Pro	Ile	Val	Tyr	Gly	Val	Lys	Thr	Lys	Glu	Ile	Arg	Lys	Trp	Val
	290					295					300				
Val	Gln	Ile	Phe	Val	Leu	Lys	Ser	Asn	Thr	Gln					
305					310					315					

<210> 1703
 <211> 308
 <212> PRT
 <213> Mus musculus

<400> 1703

Met	Lys	Asn	Ile	Thr	Glu	Ala	Thr	Phe	Phe	Val	Leu	Lys	Gly	Leu	Thr
1				5					10					15	
Asp	Asn	Asn	Glu	Leu	Gln	Ile	Ile	Leu	Phe	Phe	Leu	Phe	Leu	Ala	Ile
			20					25					30		
Tyr	Leu	Phe	Thr	Leu	Ile	Gly	Asn	Val	Gly	Leu	Ile	Ile	Leu	Val	Val
		35				40						45			
Gly	Asp	Pro	Gln	Leu	His	Asn	Pro	Met	Tyr	Cys	Phe	Leu	Ser	Ala	Leu
	50					55					60				
Ser	Phe	Val	Asp	Ala	Cys	Tyr	Ser	Ser	Asp	Ile	Thr	Pro	Asn	Met	Leu
65					70					75				80	
Val	Gly	Phe	Met	Ser	Lys	Ser	Lys	Ile	Ile	Ser	Phe	Tyr	Gly	Cys	Ala
			85						90					95	
Thr	Gln	Met	Phe	Leu	Ala	Val	Thr	Phe	Gly	Thr	Thr	Glu	Cys	Phe	Leu
			100					105					110		
Leu	Ala	Ala	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	His	Asp	Pro	Leu
		115				120						125			
Leu	Tyr	Ala	Val	Ser	Met	Ser	Pro	Arg	Val	Tyr	Leu	Pro	Leu	Ile	Ile
	130					135					140				
Ala	Ser	Tyr	Ala	Gly	Gly	Ile	Val	His	Ala	Ile	Ile	His	Thr	Val	Ala
145					150					155					160

Thr	Phe	Ser	Leu	Ser	Phe	Cys	Gln	Ser	Asn	Glu	Val	Lys	His	Ile	Phe
				165					170					175	
Cys	Asp	Ile	Pro	Pro	Leu	Leu	Ala	Ile	Ser	Cys	Ser	Glu	Thr	Tyr	Val
			180					185					190		
Asn	Glu	Leu	Leu	Leu	Phe	Phe	Phe	Val	Ser	Phe	Ile	Glu	Leu	Val	Thr
		195					200					205			
Ile	Leu	Ile	Ile	Leu	Phe	Ser	Tyr	Ala	Phe	Ile	Leu	Leu	Ser	Ile	Leu
	210					215					220				
Lys	Met	Asn	Ser	Ala	Glu	Gly	Arg	Arg	Lys	Val	Phe	Ser	Thr	Cys	Gly
225					230					235					240
Ser	His	Leu	Thr	Ala	Val	Ser	Ile	Cys	Tyr	Gly	Thr	Ser	Leu	Phe	Met
				245					250					255	
Tyr	Val	Arg	Pro	Ser	Ser	Asn	Tyr	Ser	Leu	Glu	His	Asp	Met	Ile	Val
			260					265					270		
Ser	Thr	Phe	Tyr	Thr	Ile	Gly	Ile	Pro	Met	Leu	Asn	Pro	Ile	Ile	Tyr
		275				280						285			
Ser	Leu	Arg	Asn	Lys	Asp	Val	Lys	Glu	Ala	Ile	Lys	Arg	Val	Leu	Arg
	290				295						300				
Lys	Asn	Phe	Ile												
305															

<210> 1704

<211> 319

<212> PRT

<213> Mus musculus

<400> 1704

Met	Lys	Asn	Gln	Ser	Val	Glu	Ile	Ile	Phe	Ile	Leu	Leu	Gly	Leu	Thr
1				5					10					15	
Asp	Asp	Pro	Gln	Leu	Gln	Ile	Pro	Ile	Phe	Leu	Phe	Leu	Phe	Phe	Asn
			20					25					30		
Tyr	Ile	Leu	Ser	Leu	Met	Gly	Asn	Leu	Val	Ile	Ile	Leu	Leu	Thr	Leu
		35				40						45			
Leu	Asp	Pro	Arg	Leu	Lys	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Arg	Asn	Phe
	50					55					60				
Ser	Phe	Leu	Glu	Ile	Ala	Phe	Thr	Thr	Ala	Cys	Ile	Pro	Arg	Phe	Leu
65					70					75					80
Met	Ser	Ile	Leu	Thr	Gly	Asp	Arg	Thr	Ile	Ser	Tyr	Asn	Ala	Cys	Ala
			85						90					95	
Ala	Gln	Leu	Phe	Phe	Phe	Phe	Leu	Ser	Leu	Ile	Thr	Glu	Phe	Tyr	Leu
			100					105					110		
Leu	Ala	Ala	Met	Ser	Tyr	Asp	Arg	Phe	Val	Ala	Ile	Cys	Arg	Pro	Leu
		115					120					125			
His	Tyr	Pro	Ile	Ile	Met	Asn	Ser	Lys	Val	Cys	His	Leu	Leu	Val	Leu
	130					135					140				
Ser	Ser	Trp	Val	Thr	Gly	Phe	Phe	Val	Ile	Phe	Pro	Pro	Leu	Leu	Leu
145					150					155					160
Gly	Leu	Lys	Leu	Asp	Phe	Cys	Ala	Ser	Lys	Thr	Ile	Asp	His	Phe	Leu
			165						170					175	
Cys	Asp	Thr	Ser	Pro	Val	Leu	Gln	Leu	Ser	Cys	Thr	Asp	Thr	Arg	Phe
		180						185					190		
Ile	Glu	Leu	Met	Ala	Phe	Ala	Leu	Ala	Val	Met	Thr	Leu	Ile	Ile	Thr
	195						200					205			
Leu	Ile	Leu	Val	Ile	Leu	Ser	Tyr	Thr	Leu	Ile	Ile	Lys	Thr	Ile	Leu
	210					215					220				
Lys	Phe	Pro	Ser	Ala	Gln	Gln	Arg	Lys	Lys	Ala	Phe	Ser	Thr	Cys	Ser
225					230					235					240
Ser	His	Met	Val	Val	Val	Ser	Ile	Thr	Tyr	Gly	Ser	Cys	Ile	Phe	Met

<210> 1706
 <211> 299
 <212> PRT
 <213> Mus musculus

<400> 1706

Met	Lys	Asn	His	Ser	Val	Ile	Thr	Glu	Phe	Leu	Leu	Leu	Gly	Ile	Ser
1				5					10					15	
Asp	Thr	Pro	Glu	Leu	Gln	Phe	Val	Ile	Phe	Ile	Phe	Leu	Phe	Ile	Ala
			20					25					30		
Tyr	Ile	Leu	Ser	Val	Thr	Gly	Asn	Leu	Thr	Ile	Ile	Ile	Leu	Thr	Leu
	35					40						45			
Leu	Asp	Ser	Gln	Leu	Lys	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Arg	Asn	Phe
	50					55					60				
Ser	Phe	Leu	Glu	Ile	Ile	Phe	Thr	Ser	Val	Ser	Ile	Pro	Arg	Phe	Leu
65				70						75					80
Glu	Ser	Ile	Ile	Thr	Lys	Val	Lys	Thr	Ile	Ser	Tyr	Asn	Asn	Cys	Leu
				85					90					95	
Ala	Gln	Leu	Phe	Phe	Phe	Ile	Ser	Met	Gly	Val	Ser	Glu	Phe	Phe	Leu
			100					105					110		
Leu	Thr	Ala	Met	Ser	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Lys	Pro	Leu
	115					120						125			
His	Tyr	Thr	Leu	Ile	Met	Asn	Gln	Lys	Val	Cys	Thr	Leu	Leu	Val	Leu
	130					135					140				
Thr	Ser	Trp	Leu	Gly	Gly	Phe	Leu	Thr	Ile	Phe	Pro	Leu	Leu	Met	Leu
145				150						155					160
Phe	Leu	Lys	Leu	Asp	Phe	Cys	Ala	Ser	Asn	Val	Ile	Asp	His	Phe	Cys
				165					170					175	
Cys	Asp	Tyr	Phe	Pro	Ile	Leu	Gln	Leu	Ser	Cys	Ser	Asp	Thr	Trp	Phe
			180					185					190		
Leu	Glu	Thr	Ile	Gly	Phe	Tyr	Phe	Ala	Phe	Ile	Thr	Leu	Leu	Phe	Thr
		195					200					205			
Leu	Ala	Leu	Val	Ile	Leu	Ser	Tyr	Ile	Cys	Ile	Ile	Asn	Thr	Ile	Leu
	210					215					220				
Arg	Phe	Pro	Ser	Ala	Ser	Gln	Arg	Lys	Lys	Ala	Phe	Ser	Thr	Cys	Ser
225					230					235					240
Ser	His	Met	Ile	Val	Ile	Ser	Ile	Ser	Tyr	Gly	Ser	Cys	Ile	Phe	Met
				245					250					255	
Tyr	Val	Lys	Pro	Ser	Ala	Asn	Glu	Arg	Ala	Ser	Leu	Thr	Lys	Gly	Val
			260					265					270		
Ala	Leu	Leu	Asn	Thr	Ser	Ile	Ala	Pro	His	Ala	Glu	Pro	Phe	Tyr	Leu
		275					280					285			
His	Leu	Glu	Lys	Ser	Thr	Ser	Lys	Thr	Ser	Phe					
	290					295									

<210> 1707
 <211> 323
 <212> PRT
 <213> Mus musculus

<400> 1707

Met	Leu	His	Val	Asn	Ile	Thr	Asn	Pro	Ile	Phe	Ser	Thr	Phe	Leu	Val
1				5					10					15	
Thr	Gly	Ile	Pro	Gly	Leu	Glu	Ala	Val	Tyr	Ile	Trp	Ile	Ala	Ile	Pro
			20					25					30		
Phe	Cys	Ala	Met	Phe	Leu	Ile	Thr	Met	Val	Gly	Asn	Met	Thr	Ile	Ile
		35					40					45			
Ile	Val	Ile	Trp	His	Glu	Gln	Thr	Leu	His	Val	Pro	Met	Tyr	Leu	Phe

50		55		60											
Leu	Ala	Met	Leu	Ala	Ser	Ser	Asp	Leu	Gly	Leu	Ser	Leu	Phe	Thr	Phe
65					70					75					80
Pro	Thr	Leu	Leu	Arg	Ile	Phe	Leu	Leu	Asn	Asp	Arg	Glu	Leu	Thr	Thr
				85					90						95
Thr	Ala	Cys	Phe	Thr	Gln	Met	Phe	Phe	Ile	His	Thr	Phe	Gln	Leu	Leu
			100					105					110		
Glu	Ser	Ala	Ile	Ile	Leu	Ala	Met	Ala	Phe	Asp	Trp	Tyr	Val	Ala	Ile
		115					120					125			
Ser	His	Pro	Leu	His	Tyr	His	Ser	Ile	Leu	Thr	Asp	Thr	Val	Ile	Gly
	130					135					140				
Lys	Ile	Gly	Leu	Thr	Ile	Val	Gly	Arg	Thr	Leu	Thr	Leu	Gln	Val	Pro
145					150					155					160
Ala	Pro	Ile	Leu	Leu	Arg	Arg	Leu	Tyr	Phe	Cys	Ser	Ser	Asn	Val	Leu
			165						170					175	
Ser	His	Ser	Tyr	Cys	Leu	His	Pro	Asp	Ile	Ile	Lys	Leu	Ser	Cys	Ser
			180					185					190		
Ser	Thr	Thr	Val	Asn	Ser	Ile	Phe	Gly	Leu	Phe	Val	Val	Leu	Ser	Thr
		195					200					205			
Leu	Gly	Leu	Asp	Phe	Leu	Leu	Ile	Leu	Leu	Ser	Tyr	Ala	Leu	Ile	Leu
	210				215						220				
Lys	Thr	Val	Leu	Asn	Met	Ala	Ser	His	Ser	Gly	Arg	Leu	Lys	Ala	Leu
225				230						235					240
Asn	Thr	Cys	Ile	Ser	His	Leu	Cys	Ala	Val	Val	Leu	Phe	Phe	Thr	Pro
			245						250					255	
Met	Ile	Cys	Leu	Ser	Met	Leu	His	Arg	Phe	Gly	Pro	Arg	Leu	Pro	Ser
		260						265					270		
His	Val	Tyr	Val	Thr	Leu	Ala	Asn	Met	His	Phe	Leu	Ile	Pro	Pro	Val
	275						280					285			
Met	Asn	Pro	Ile	Val	Tyr	Val	Val	Lys	Thr	Lys	Gln	Ile	Arg	Asp	Lys
	290				295					300					
Ile	Gln	Lys	Leu	Phe	Ile	Arg	Lys	Ala	Thr	Lys	Lys	Ala	Gln	Ala	Ala
305					310					315					320
Ser	Ile	Thr													

<210> 1708
 <211> 310
 <212> PRT
 <213> Mus musculus

<400> 1708

Met	Gly	Gln	Asn	Asp	Ser	Ser	Val	Val	Glu	Phe	Ile	Leu	Leu	Gly	Phe
1				5					10					15	
Ser	His	Phe	Pro	Glu	Leu	Gln	Val	His	Met	Phe	Gly	Ala	Phe	Leu	Val
			20					25					30		
Ile	Tyr	Leu	Val	Thr	Leu	Thr	Gly	Asn	Ala	Thr	Ile	Val	Thr	Val	Ile
	35						40					45			
Phe	Leu	Asp	His	Ser	Leu	His	Ile	Pro	Met	Tyr	Leu	Phe	Leu	Gln	Asn
	50					55				60					
Leu	Ser	Val	Val	Glu	Ala	Ser	Phe	Ser	Thr	Thr	Val	Met	Pro	Glu	Met
65					70					75					80
Leu	Val	Val	Leu	Thr	Ser	Glu	Lys	Ala	Thr	Ile	Ser	Phe	Gly	Gly	Cys
			85						90					95	
Phe	Ala	Gln	Thr	Tyr	Phe	Ile	Leu	Leu	Phe	Gly	Gly	Thr	Glu	Cys	Phe
		100						105					110		
Leu	Leu	Gly	Ala	Met	Ala	Tyr	Asp	Arg	Phe	Ala	Ala	Ile	Cys	Tyr	Pro
	115						120					125			

Leu	Thr	Tyr	Pro	Met	Ile	Met	Ser	Lys	Arg	Ile	Phe	Val	Lys	Leu	Val
130						135					140				
Val	Cys	Ser	Trp	Val	Leu	Gly	Ile	Met	Thr	Ala	Thr	Val	Ser	Val	Thr
145					150					155					160
Trp	Val	Phe	Ser	Phe	Pro	Phe	Cys	Gly	Pro	Ser	Lys	Ile	Asn	His	Ile
				165					170					175	
Ser	Cys	Glu	Val	Pro	Ala	Val	Leu	Glu	Leu	Ala	Cys	Ala	Asp	Thr	Phe
			180					185					190		
Leu	Phe	Glu	Val	Tyr	Ser	Phe	Thr	Gly	Thr	Ile	Leu	Leu	Val	Leu	Val
		195					200					205			
Pro	Phe	Leu	Leu	Ile	Leu	Leu	Ser	Tyr	Thr	Gln	Ile	Leu	Phe	Thr	Val
		210				215					220				
Leu	Arg	Met	Pro	Ser	Thr	Thr	Gly	Arg	Gln	Lys	Ala	Phe	Ser	Thr	Cys
225					230					235					240
Ala	Ser	His	Leu	Thr	Ser	Val	Thr	Leu	Phe	Tyr	Ser	Thr	Ala	Cys	Met
				245					250					255	
Thr	Tyr	Leu	Gln	Pro	Lys	Ser	Lys	Tyr	Ser	Pro	Asp	Thr	Lys	Lys	Leu
			260					265					270		
Met	Ser	Leu	Ala	Tyr	Ser	Leu	Leu	Thr	Pro	Leu	Leu	Asn	Pro	Leu	Ile
		275					280					285			
Tyr	Ser	Leu	Arg	Asn	Lys	Glu	Met	Lys	Arg	Ala	Val	Val	Lys	Leu	Cys
		290				295					300				
Gln	Ile	Lys	Val	Val	Phe										
305					310										

<210> 1709

<211> 314

<212> PRT

<213> Mus musculus

<400> 1709

Met	Arg	Arg	Gln	Asn	His	Asn	Ser	Thr	Val	Glu	Phe	Ile	Leu	Leu	Gly
1				5					10					15	
Phe	Ser	Asn	Tyr	Pro	Glu	Leu	Gln	Gly	Gln	Met	Phe	Gly	Ala	Phe	Leu
			20					25					30		
Val	Ile	Tyr	Leu	Val	Thr	Val	Leu	Gly	Asn	Ala	Ile	Ile	Ile	Thr	Ile
		35					40					45			
Ile	Phe	Leu	Asp	Gln	Ser	Leu	His	Ile	Pro	Met	Tyr	Leu	Phe	Leu	Gln
		50				55					60				
Asn	Leu	Ser	Leu	Val	Asp	Leu	Cys	Phe	Ser	Thr	Val	Ile	Thr	Pro	Glu
65					70					75					80
Ile	Leu	Val	Val	Leu	Thr	Ser	Glu	Lys	Ala	Thr	Ile	Ser	Phe	Gly	Gly
				85					90					95	
Cys	Phe	Val	Gln	Met	Tyr	Phe	Ile	Leu	Leu	Phe	Gly	Gly	Thr	Glu	Cys
			100					105					110		
Phe	Leu	Leu	Gly	Ala	Met	Ala	Tyr	Asp	Arg	Phe	Ala	Ala	Ile	Cys	His
		115					120					125			
Pro	Leu	Ser	Tyr	Pro	Val	Ile	Met	Asn	Lys	Ser	Val	Phe	Val	Lys	Leu
		130				135					140				
Val	Met	Phe	Ser	Trp	Val	Ser	Gly	Thr	Met	Met	Thr	Thr	Leu	Gln	Thr
145					150					155					160
Thr	Trp	Val	Phe	Ser	Phe	Pro	Tyr	Cys	Asp	His	Lys	Glu	Ile	Asn	His
				165					170					175	
Leu	Phe	Cys	Glu	Thr	Pro	Pro	Val	Leu	Glu	Leu	Ala	Cys	Ala	Asp	Thr
			180					185					190		
Phe	Leu	Phe	Glu	Val	Tyr	Ala	Phe	Thr	Gly	Thr	Ile	Leu	Ile	Val	Met
		195					200					205			
Val	Pro	Phe	Leu	Leu	Ile	Leu	Leu	Ser	Tyr	Thr	Arg	Ile	Leu	Phe	Ser

210		215		220
Ile Leu Arg Met Pro Ser Thr Thr Gly Arg Gln Lys Ala Phe Ser Thr				
225		230		240
Cys Ala Ser His Leu Thr Ser Val Thr Leu Phe Tyr Gly Thr Ala Ser				
	245		250	255
Ile Thr Tyr Leu Gln Pro Lys Ser Arg Tyr Ser Pro Asp Thr Lys Lys				
	260		265	270
Leu Met Ser Leu Ala Tyr Thr Leu Leu Thr Pro Leu Leu Asn Pro Leu				
	275		280	285
Ile Tyr Ser Leu Arg Asn Lys Glu Met Lys Arg Ala Val Val Lys Leu				
	290		295	300
Trp Gln Arg Lys Val Thr Leu His Thr Gly				
305		310		

<210> 1710

<211> 326

<212> PRT

<213> Mus musculus

<400> 1710

Met Ser Leu Arg Gln Thr Gln Gly Ser Asn Ile Val Met Arg Arg Gln				
1	5	10	15	
Asn His Ser Ser Thr Val Glu Phe Ile Leu Leu Arg Phe Ser Asn Tyr				
	20	25	30	
Pro Glu Leu Gln Asp Gln Met Phe Gly Thr Phe Leu Val Ile Tyr Leu				
	35	40	45	
Val Thr Val Met Gly Asn Ala Ile Ile Ile Thr Ile Ile Phe Leu Asp				
	50	55	60	
Gln Ser Leu His Ile Pro Met Tyr Leu Phe Leu Gln Asn Leu Ser Leu				
65	70	75	80	
Val Asp Leu Cys Phe Ser Thr Val Ile Thr Pro Lys Met Leu Val Val				
	85	90	95	
Leu Thr Ser Lys Lys Ala Thr Ile Ser Phe Gly Gly Cys Phe Ala Gln				
	100	105	110	
Met Tyr Phe Ile Leu Phe Phe Gly Val Thr Glu Cys Phe Leu Leu Gly				
	115	120	125	
Ala Met Ala Tyr Asp Arg Phe Ala Ala Ile Cys His Pro Leu Ser Tyr				
	130	135	140	
Pro Met Ile Met Asn Lys Arg Val Phe Met Lys Leu Val Met Phe Ser				
145	150	155	160	
Trp Val Ser Gly Thr Met Met Ser Thr Leu Gln Thr Thr Trp Val Phe				
	165	170	175	
Ser Phe Pro Tyr Cys Asp His Lys Glu Ile Asn His Leu Phe Cys Glu				
	180	185	190	
Thr Pro Pro Val Leu Glu Leu Ala Cys Ala Asp Thr Phe Leu Phe Glu				
	195	200	205	
Val Tyr Ala Phe Thr Gly Thr Ile Phe Ile Val Met Val Pro Phe Leu				
	210	215	220	
Leu Ile Leu Leu Ser Tyr Thr Arg Ile Leu Phe Thr Ile Leu Arg Met				
225	230	235	240	
Pro Ser Thr Thr Gly Arg Gln Lys Ala Phe Ser Thr Cys Ala Ser His				
	245	250	255	
Leu Thr Ser Val Thr Leu Phe Tyr Gly Thr Ala Ser Ile Ile Tyr Leu				
	260	265	270	
Gln Pro Lys Ser Arg Tyr Ser Pro Asp Thr Lys Lys Leu Met Ser Leu				
	275	280	285	
Ala Tyr Ile Leu Leu Thr Pro Leu Leu Asn Pro Leu Ile Tyr Ser Leu				
	290	295	300	

Arg	Asn	Lys	Glu	Met	Lys	Arg	Ala	Val	Leu	Lys	Leu	Trp	Gln	Arg	Lys
305					310					315					320
Val	Ala	Phe	His	Thr	Ala										
				325											

<210> 1711
 <211> 309
 <212> PRT
 <213> Mus musculus

<400> 1711

Met	Gly	Arg	Gly	Asn	Arg	Thr	Thr	Val	Thr	Glu	Phe	Val	Leu	Met	Gly
1				5					10					15	
Phe	Thr	Asp	Arg	Pro	Glu	Leu	Gln	Leu	Pro	Leu	Phe	Val	Val	Phe	Leu
			20					25					30		
Ile	Leu	Ile	Thr	Leu	Val	Gly	Asn	Leu	Gly	Met	Ile	Leu	Leu	Ile	Lys
		35					40					45			
Ala	Asp	Ser	Arg	Leu	His	Thr	Pro	Met	Tyr	Tyr	Phe	Leu	Ser	His	Leu
	50					55					60				
Ala	Phe	Ile	Asp	Leu	Cys	Tyr	Ser	Ser	Ser	Ile	Gly	Pro	Lys	Met	Leu
65					70					75					80
Gln	Asn	Leu	Leu	Val	Lys	Lys	Lys	Thr	Ile	Ser	Phe	Ser	Gly	Cys	Phe
				85					90					95	
Ala	Gln	Leu	Tyr	Phe	Ser	Ser	Ala	Phe	Val	Thr	Thr	Glu	Cys	Phe	Leu
			100					105					110		
Leu	Ala	Thr	Met	Ala	Tyr	Asp	Arg	Tyr	Met	Ala	Ile	Cys	Asn	Pro	Leu
		115					120					125			
Thr	Tyr	Thr	Ala	Ile	Met	Thr	Gln	Arg	Val	Cys	Lys	Glu	Leu	Val	Ile
	130					135					140				
Gly	Val	Tyr	Thr	Tyr	Gly	Phe	Leu	Asn	Ser	Val	Ile	Gln	Thr	Val	Leu
145					150					155					160
Thr	Phe	Gln	Leu	Ser	Phe	Cys	Asn	Ser	Asn	Val	Ile	His	His	Phe	Tyr
				165					170					175	
Cys	Ala	Asp	Pro	Pro	Leu	Leu	Ala	Leu	Ser	Cys	Ser	Asp	Thr	His	Asn
			180					185					190		
Lys	Glu	Arg	Gln	Leu	Leu	Ile	Phe	Ser	Ala	Val	Asn	Leu	Thr	Gly	Ser
	195						200					205			
Leu	Met	Thr	Val	Leu	Ile	Ser	Tyr	Ile	Cys	Ile	Leu	Val	Ser	Ile	Ile
	210					215					220				
Lys	Ile	Glu	Pro	Ser	Gln	Gly	Lys	Cys	Lys	Ala	Phe	Ser	Thr	Cys	Ala
225					230					235					240
Ser	His	Leu	Thr	Val	Val	Thr	Ile	Phe	Tyr	Gly	Thr	Leu	Phe	Phe	Met
				245					250					255	
Tyr	Met	Arg	Gln	Pro	Lys	Thr	Gly	Ser	Ser	Trp	Lys	Tyr	Ser	Lys	Val
			260					265					270		
Ile	Ser	Val	Phe	Tyr	Ser	Leu	Val	Ile	Pro	Met	Leu	Asn	Pro	Leu	Ile
		275					280					285			
Tyr	Ser	Leu	Arg	Asn	Thr	Glu	Val	Lys	Asp	Thr	Leu	Lys	Lys	Met	Leu
	290					295					300				
Glu	Gly	Lys	Thr	Ser											
305															

<210> 1712
 <211> 312
 <212> PRT
 <213> Mus musculus

<400> 1712

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Met Gly Thr Gly Asn Trp Ser Gln Val Ile Glu Phe Ile Ile Leu Gly
 1          5          10          15
Phe Pro His Phe Gln Gly Val Gln Ile Tyr Leu Phe Phe Leu Leu Leu
 20          25          30
Ser Ile Tyr Leu Thr Thr Ile Leu Gly Asn Leu Leu Ile Phe Leu Val
 35          40          45
Val Tyr Leu Asp Ser Arg Leu His Thr Pro Met Tyr Arg Phe Val Ser
 50          55          60
Ile Leu Ser Phe Leu Glu Leu Gly Tyr Thr Ala Ala Thr Ile Pro Lys
 65          70          75          80
Met Leu Ala Asn Leu Leu Ser Glu Lys Lys Thr Ile Ser Phe Ser Gly
 85          90          95
Cys Leu Leu Gln Ile Tyr Phe Phe His Ser Leu Gly Ala Thr Glu Cys
100          105          110
Tyr Leu Leu Thr Ala Met Ala Tyr Asp Arg Tyr Leu Ala Ile Cys Arg
115          120          125
Pro Leu His Tyr Pro Thr Leu Met Thr Gln Ser Leu Cys Ile Lys Ile
130          135          140
Ala Ile Gly Cys Trp Leu Gly Gly Leu Ala Gly Pro Val Val Glu Ile
145          150          155          160
Ser Leu Val Ser Arg Leu Pro Phe Cys Gly Pro Asn His Ile Gln His
165          170          175
Ile Phe Cys Asp Phe Pro Pro Val Leu Ser Leu Ala Cys Thr Asp Thr
180          185          190
Ser Val Asn Val Leu Val Asp Phe Ile Ile Asn Ser Cys Lys Ile Leu
195          200          205
Ala Thr Phe Leu Leu Ile Leu Ser Ser Tyr Leu Gln Ile Ile Arg Thr
210          215          220
Val Leu Lys Ile Pro Ser Ala Ala Gly Lys Lys Lys Ala Phe Ser Thr
225          230          235          240
Cys Ala Ser His Leu Thr Val Val Leu Ile Phe Tyr Gly Ser Ile Leu
245          250          255
Phe Met Tyr Val Arg Leu Lys Lys Ser Tyr Ser Leu Asp Tyr Asp Arg
260          265          270
Ala Leu Ala Val Val Tyr Ser Val Ile Thr Pro Phe Leu Asn Pro Phe
275          280          285
Ile Tyr Ser Leu Arg Asn Lys Glu Ile Lys Glu Ala Leu Lys Arg Gln
290          295          300
Leu Met Arg Thr Gly Ile Leu Arg
305          310
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<210> 1713

<211> 315

<212> PRT

<213> Mus musculus

<400> 1713

```
Met Arg Ile Asn Arg Ser Thr Ser Val Thr Glu Phe Leu Phe Ser Gly
 1          5          10          15
Phe Pro Gln Phe Glu Asp Gly Ser Phe Leu Phe Phe Ile Pro Leu Phe
 20          25          30
Phe Ile Tyr Ile Phe Ile Val Ile Gly Asn Leu Ile Val Phe Phe Ala
 35          40          45
Val Arg Met Asp Thr Arg Leu His Asn Pro Met Tyr Asn Phe Ile Ser
 50          55          60
Ile Phe Ser Phe Leu Glu Ile Trp Tyr Thr Thr Ala Thr Ile Pro Lys
 65          70          75          80
```

Met	Leu	Thr	Asn	Leu	Ile	Ser	Lys	Gln	Arg	Thr	Ile	Ser	Leu	Ile	Gly
			85					90						95	
Cys	Leu	Leu	Gln	Met	Tyr	Phe	Phe	His	Ser	Leu	Gly	Asn	Ser	Glu	Gly
			100					105						110	
Ile	Leu	Leu	Thr	Thr	Met	Ala	Ile	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Asn
			115					120						125	
Pro	Leu	Arg	Tyr	Pro	Thr	Ile	Met	Thr	Pro	Arg	Leu	Cys	Ala	Gln	Leu
			130					135						140	
Ser	Ala	Gly	Ser	Cys	Ile	Phe	Gly	Phe	Leu	Val	Leu	Leu	Pro	Glu	Ile
145															160
Ala	Trp	Ile	Ser	Thr	Leu	Pro	Phe	Cys	Gly	Pro	Asn	Gln	Ile	His	Gln
															175
Ile	Phe	Cys	Asp	Phe	Glu	Pro	Val	Leu	Arg	Leu	Ala	Cys	Thr	Asp	Thr
			180												190
Ser	Met	Ile	Leu	Val	Glu	Asp	Val	Val	His	Ala	Val	Ala	Ile	Ile	Phe
			195												205
Ser	Val	Leu	Val	Ile	Ala	Ile	Ser	Tyr	Met	Arg	Ile	Ile	Thr	Val	Ile
			210												220
Leu	Arg	Ile	Pro	Ser	Gly	Glu	Gly	Arg	Arg	Lys	Ala	Phe	Ser	Thr	Cys
225															240
Ala	Ala	His	Leu	Gly	Val	Phe	Leu	Met	Phe	Tyr	Gly	Ser	Val	Ser	Leu
															255
Met	Tyr	Leu	Arg	Phe	Ser	Ala	Thr	Phe	Pro	Pro	Ile	Leu	Asp	Thr	Ala
			260												270
Ile	Ala	Leu	Met	Phe	Ala	Val	Leu	Ala	Pro	Phe	Phe	Asn	Pro	Ile	Ile
			275												285
Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Met	Lys	Ile	Ala	Ile	Lys	Lys	Leu	Leu
			290												300
Cys	Ser	Gln	Lys	Met	Leu	Pro	Thr	Ser	Ala	Ser					
305															315

<210> 1714

<211> 315

<212> PRT

<213> Mus musculus

<400> 1714

Met	Glu	Asn	Gly	Asn	Leu	Ser	Thr	Val	Thr	Val	Phe	Val	Phe	Thr	Gly
1				5				10						15	
Phe	Pro	Gln	Leu	Lys	Asn	Gly	Gly	Leu	Leu	Tyr	Phe	Phe	Pro	Leu	Leu
			20					25					30		
Phe	Ile	Tyr	Ile	Phe	Ile	Val	Thr	Gly	Asn	Leu	Met	Ile	Phe	Phe	Ala
			35					40					45		
Val	Arg	Leu	Asp	Thr	Arg	Leu	His	Asn	Pro	Met	Tyr	Asn	Phe	Ile	Ser
			50					55					60		
Ile	Phe	Ser	Phe	Leu	Glu	Met	Trp	Tyr	Thr	Thr	Ala	Thr	Ile	Pro	Lys
65															80
Met	Leu	Ser	Asn	Leu	Ile	Ser	Glu	Gln	Lys	Thr	Ile	Ser	Phe	Ile	Gly
															95
Cys	Leu	Leu	Gln	Met	Tyr	Phe	Phe	His	Ser	Leu	Gly	Asn	Thr	Glu	Gly
			100					105							110
Thr	Leu	Leu	Thr	Val	Met	Ala	Ile	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Asn
			115					120							125
Pro	Leu	Arg	Tyr	Pro	Asn	Ile	Met	Thr	Pro	Arg	Leu	Cys	Ala	Gln	Leu
			130					135							140
Thr	Ala	Gly	Ser	Cys	Val	Phe	Gly	Phe	Leu	Ile	Leu	Leu	Pro	Glu	Ile
145															160
Val	Trp	Ile	Ser	Thr	Leu	Pro	Phe	Cys	Gly	Pro	Asn	Gln	Ile	Thr	Gln

Ile	Phe	Cys	Asp	165	Phe	Thr	Pro	Leu	Leu	170	Lys	Leu	Ala	Cys	Thr	Asp	175	Ala
Ser	Val	Ile	180	Leu	Val	Gln	Asp	Val	Ile	185	His	Ala	Leu	Ala	Ile	Leu	Ile	
Thr	Ser	Leu	195	Ile	Ile	Ser	Leu	Ser	Tyr	200	Ile	Arg	Ile	Ile	Val	Val	Ile	
Leu	Ser	Ile	Ser	Ser	Thr	Glu	Gly	Arg	Lys	Lys	Ala	Phe	Ser	Thr	Cys			
225	Ala	Ala	His	Ile	Ala	Val	Phe	Leu	Leu	Phe	Phe	Gly	Ser	Val	Ala	Leu		
Ala	Ala	His	Ile	Ala	Val	Phe	Leu	Leu	Phe	Phe	Gly	Ser	Val	Ala	Leu			
Met	Tyr	Leu	Arg	Phe	Ser	Ala	Thr	Tyr	Thr	Pro	Phe	Trp	Asp	Asn	Thr			
Ile	Ala	Leu	Thr	Phe	Ser	Val	Phe	Ala	Pro	Leu	Phe	Asn	Pro	Ile	Ile			
Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Met	Lys	Asp	Ala	Ile	Asn	Lys	Leu	Ile			
290	Cys	Ser	Gln	Lys	Val	Ser	Asn	Glu	Ser	Arg	Arg							
305						310					315							

<210> 1715

<211> 318

<212> PRT

<213> Mus musculus

<400> 1715

Met	Thr	Gln	Leu	Val	Ala	Ser	Gln	Asn	Gln	Thr	Met	Val	Ile	Glu	Phe			
1				5					10					15				
Leu	Phe	Ser	Val	Phe	Pro	Pro	Leu	Tyr	Glu	Gly	Gly	Leu	Leu	Phe	Phe			
			20					25					30					
Ile	Leu	Leu	Ile	Leu	Val	Tyr	Ala	Phe	Ile	Ile	Ser	Gly	Asn	Leu	Val			
			35				40					45						
Ile	Phe	Val	Ala	Val	Gln	Leu	Asp	Met	Ala	Leu	His	Thr	Pro	Met	Tyr			
			50			55					60							
Phe	Phe	Ile	Ser	Val	Leu	Ser	Phe	Leu	Glu	Ile	Trp	Tyr	Thr	Thr	Thr			
65					70				75					80				
Thr	Ile	Pro	Lys	Met	Leu	Ser	Ser	Leu	Val	Ser	Glu	Lys	Lys	Thr	Ile			
			85						90					95				
Ser	Leu	Gly	Gly	Cys	Leu	Met	Gln	Met	Tyr	Phe	Phe	His	Ser	Leu	Gly			
			100					105					110					
Ile	Thr	Glu	Gly	Cys	Ile	Leu	Thr	Ala	Met	Ser	Ile	Asp	Arg	Tyr	Ile			
			115				120					125						
Ala	Ile	Cys	Tyr	Pro	Leu	Arg	Tyr	Pro	Thr	Ile	Met	Thr	Ser	Lys	Leu			
			130			135					140							
Cys	Ile	Gln	Leu	Thr	Ala	Gly	Ser	Cys	Phe	Cys	Gly	Phe	Leu	Leu	Val			
145					150					155				160				
Leu	Pro	Glu	Ile	Ala	Trp	Ile	Ala	Thr	Leu	Pro	Phe	Cys	Gly	Ser	Asn			
			165						170					175				
Lys	Ile	His	Gln	Ile	Phe	Cys	Asp	Phe	Thr	Pro	Val	Leu	Ser	Leu	Ala			
			180					185					190					
Cys	Thr	Asp	Thr	Ser	Leu	Val	Val	Ile	Val	Asp	Ala	Ile	His	Ala	Val			
			195				200					205						
Glu	Ile	Leu	Ala	Ser	Phe	Leu	Val	Ile	Ala	Leu	Ser	Tyr	Ile	Arg	Ile			
			210			215						220						
Ile	Met	Val	Ile	Leu	Gly	Met	Pro	Ser	Ala	Glu	Gly	Arg	His	Lys	Ala			
225					230					235				240				
Phe	Ser	Thr	Cys	Ala	Ala	His	Leu	Ala	Val	Phe	Leu	Leu	Phe	Phe	Gly			
			245						250					255				

Ser	Val	Ala	Val	Met	Tyr	Leu	Arg	Phe	Ser	Ala	Thr	Tyr	Ser	Val	Phe
		260						265					270		
Trp	Asp	Thr	Val	Ile	Ala	Val	Thr	Phe	Val	Ile	Leu	Ala	Pro	Phe	Leu
		275					280					285			
Asn	Pro	Ile	Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Glu	Met	Lys	Asp	Ala	Ile
	290					295					300				
Gly	Arg	Leu	Phe	His	Gln	Lys	Arg	Asp	Val	Arg	Ala	Gln	Lys		
305					310					315					

<210> 1716
 <211> 299
 <212> PRT
 <213> Mus musculus

<400> 1716

Met	Trp	Asn	Thr	Ser	Glu	Ala	Ala	Phe	Leu	Ser	Cys	Ser	Cys	Trp	Tyr
1				5					10					15	
Thr	Cys	Ser	Pro	Leu	Val	Val	Ile	Cys	Ser	Ser	Ser	Leu	Val	Ile	Arg
			20					25					30		
Leu	Asp	Ala	Ala	Leu	His	Lys	Pro	Met	Tyr	His	Phe	Val	Ser	Val	Leu
		35					40					45			
Ser	Phe	Leu	Glu	Leu	Trp	Tyr	Thr	Ala	Thr	Thr	Met	Pro	Lys	Met	Leu
	50					55					60				
Ala	Asn	Leu	Leu	Ser	Glu	Lys	Lys	Thr	Ile	Ser	Phe	Ala	Gly	Cys	Leu
65					70					75					80
Leu	Gln	Thr	Tyr	Phe	Phe	His	Ser	Leu	Gly	Ala	Ser	Glu	Cys	Tyr	Leu
				85					90					95	
Leu	Thr	Ala	Met	Ala	Tyr	Asp	Arg	Tyr	Leu	Ala	Ile	Cys	Arg	Pro	Leu
			100					105					110		
His	Tyr	Pro	Ser	Ile	Met	Thr	Thr	Ala	Leu	Cys	Val	Lys	Met	Ala	Ala
		115					120					125			
Gly	Cys	Trp	Thr	Cys	Gly	Phe	Leu	Cys	Pro	Ile	Ser	Glu	Val	Ile	Leu
	130					135					140				
Val	Ser	Gln	Leu	Pro	Phe	Cys	Asn	Tyr	Asn	Glu	Ile	Pro	His	Ile	Phe
145					150					155					160
Cys	Asp	Phe	Pro	Pro	Leu	Leu	Ser	Leu	Ala	Cys	Lys	Asp	Thr	Ser	Thr
			165						170					175	
Asn	Val	Leu	Val	Asp	Phe	Ala	Val	Asn	Ala	Phe	Ile	Ile	Leu	Ile	Thr
			180					185					190		
Phe	Leu	Phe	Ile	Met	Ala	Ser	Tyr	Gly	Arg	Ile	Ile	Gly	Ala	Val	Leu
		195					200					205			
Lys	Ile	Lys	Thr	Ala	Ala	Gly	Arg	Arg	Lys	Ala	Phe	Ser	Thr	Cys	Ala
	210					215					220				
Ser	His	Leu	Ile	Val	Val	Leu	Ile	Phe	Phe	Gly	Ser	Ile	Ile	Phe	Met
225					230					235					240
Tyr	Val	Arg	Leu	Lys	Lys	Ser	Tyr	Ser	Leu	Thr	Leu	Asp	Arg	Thr	Leu
				245					250					255	
Ala	Val	Val	Tyr	Ser	Val	Leu	Thr	Pro	Leu	Ala	Asn	Pro	Ile	Ile	Tyr
			260					265					270		
Ser	Leu	Arg	Asn	Lys	Glu	Leu	Ile	Gln	Ala	Ile	Lys	Arg	Thr	Phe	Phe
		275					280					285			
Lys	Lys	Val	Glu	Lys	Ala	Ser	Pro	Thr	His	His					
	290					295									

<210> 1717
 <211> 314
 <212> PRT

<213> Mus musculus

<400> 1717

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Met Asp His Val Asn Tyr Thr Trp Thr Arg Thr Phe Ile Leu Ala Gly
 1          5          10          15
Phe Thr Thr Ser Gly Ala Leu Arg Pro Leu Ala Phe Leu Gly Thr Leu
          20          25          30
Cys Ile Tyr Leu Leu Thr Leu Ala Gly Asn Leu Phe Ile Ile Val Leu
          35          40          45
Val Gln Ala Asp Ser Gly Leu Ser Thr Pro Met Tyr Phe Phe Ile Ser
          50          55          60
Val Leu Ser Phe Leu Glu Leu Trp Tyr Val Ser Thr Thr Val Pro Thr
65          70          75          80
Leu Leu His Thr Leu Leu His Gly His Ser Pro Ile Pro Ser Ser Ala
          85          90          95
Cys Phe Val Gln Leu Tyr Val Phe His Ser Leu Gly Met Thr Glu Cys
          100          105          110
Tyr Leu Leu Gly Val Met Ala Leu Asp Arg Tyr Leu Ala Ile Cys Arg
          115          120          125
Pro Leu His Tyr His Ala Leu Met Ser Lys Gln Val Gln Leu Trp Leu
          130          135          140
Ala Gly Ala Thr Trp Val Ala Gly Phe Ser Ala Ala Leu Val Pro Ala
145          150          155          160
Cys Leu Thr Ala Ser Leu Pro Tyr Cys Leu Lys Glu Ile Ala His Tyr
          165          170          175
Phe Cys Asp Leu Ala Pro Leu Met Arg Leu Ala Cys Val Ser Thr Arg
          180          185          190
Trp His Ala Arg Val His Gly Ala Val Ile Gly Val Ala Thr Gly Cys
          195          200          205
Asn Phe Val Leu Ile Leu Gly Leu Tyr Gly Gly Ile Leu Thr Ala Val
210          215          220
Leu Lys Leu Pro Ser Ala Ala Ser Arg Ala Lys Ala Phe Ser Thr Cys
225          230          235          240
Ser Ser His Met Thr Val Val Ala Leu Phe Tyr Ala Ser Ala Phe Thr
          245          250          255
Val Tyr Val Gly Ser Pro Gln Ser Arg Pro Glu Gly Thr Asp Lys Arg
          260          265          270
Ile Ala Leu Val Tyr Ala Leu Leu Thr Pro Phe Leu Asn Pro Ile Ile
          275          280          285
Tyr Ser Leu Arg Asn Lys Glu Val Lys Glu Ala Val Lys Arg Val Ser
290          295          300
Glu Lys Ile Arg Thr Leu Leu Arg Asp Thr
305          310
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<210> 1718

<211> 312

<212> PRT

<213> Mus musculus

<400> 1718

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Met Asp His Val Asn Tyr Thr Trp Thr Arg Thr Phe Ile Leu Ala Gly
 1          5          10          15
Phe Thr Thr Ser Gly Thr Leu Gln His Leu Ala Val Phe Gly Thr Leu
          20          25          30
Cys Ile Tyr Leu Leu Thr Leu Ala Gly Asn Leu Phe Ile Ile Val Leu
          35          40          45
Val Gln Ala Asp Ser Gly Leu Ser Thr Pro Met Tyr Phe Phe Ile Ser
50          55          60
```

Val	Leu	Ser	Phe	Leu	Glu	Leu	Trp	Tyr	Val	Ser	Thr	Thr	Val	Pro	Thr
65					70					75					80
Leu	Leu	His	Thr	Leu	Leu	His	Gly	Pro	Ser	Pro	Ile	Pro	Ser	Ser	Ala
				85					90						95
Cys	Phe	Val	Gln	Leu	Tyr	Val	Phe	His	Ser	Leu	Gly	Met	Thr	Glu	Cys
			100					105					110		
Tyr	Leu	Leu	Gly	Val	Met	Ala	Leu	Asp	Arg	Tyr	Leu	Ala	Ile	Cys	Arg
		115					120					125			
Pro	Leu	His	Tyr	His	Ala	Leu	Met	Ser	Arg	Gln	Val	Gln	Lys	Gln	Leu
	130					135					140				
Val	Gly	Val	Thr	Trp	Leu	Ala	Gly	Phe	Ser	Ala	Ala	Leu	Val	Pro	Ala
145					150					155					160
Gly	Leu	Thr	Ala	Ser	Leu	Pro	Tyr	Cys	Leu	Lys	Glu	Val	Ala	His	Tyr
				165					170						175
Phe	Cys	Asp	Leu	Ala	Pro	Val	Met	Gln	Leu	Ala	Cys	Val	Asp	Thr	Ser
			180					185					190		
Trp	His	Ala	Arg	Leu	Tyr	Ile	Ala	Val	Ile	Gly	Met	Ile	Asn	Thr	Cys
		195					200					205			
Asn	Leu	Thr	Phe	Ile	Leu	Gly	Leu	Tyr	Gly	Gly	Ile	Val	Arg	Ala	Val
	210					215					220				
Leu	Lys	Leu	Pro	Ser	Ala	Ala	Ser	Arg	Ala	Lys	Ala	Phe	Ser	Thr	Cys
225					230					235					240
Ser	Ser	His	Ile	Thr	Val	Val	Thr	Leu	Phe	Phe	Gly	Ser	Ala	Phe	Ile
				245					250					255	
Val	Tyr	Val	Gly	Pro	Pro	Glu	Ile	Arg	Ala	Glu	Gly	Arg	Asp	Lys	Leu
			260					265					270		
Ile	Ala	Leu	Val	Tyr	Thr	Leu	Leu	Thr	Pro	Phe	Phe	Asn	Pro	Ile	Ile
		275					280					285			
Tyr	Thr	Leu	Arg	Asn	Lys	Glu	Val	Lys	Glu	Ala	Phe	Lys	Arg	Val	Thr
	290					295					300				
Gln	Arg	Ile	Asn	Ala	Val	Leu	Lys								
305					310										

<210> 1719

<211> 313

<212> PRT

<213> Mus musculus

<400> 1719

Met	Val	Glu	Ser	Asn	Val	Thr	Cys	Trp	Gln	Gly	Phe	Val	Phe	Leu	Gly
1				5					10					15	
Phe	Ser	Ser	Phe	Gly	Glu	Leu	Gln	Leu	Leu	Leu	Phe	Val	Leu	Phe	Leu
			20					25					30		
Ser	Leu	Tyr	Leu	Val	Thr	Ile	Thr	Ser	Asn	Val	Phe	Ile	Ile	Ile	Val
		35					40					45			
Ile	Arg	Leu	Asp	Ser	His	Leu	His	Thr	Pro	Met	Tyr	Leu	Phe	Leu	Ser
	50					55					60				
Phe	Leu	Ser	Phe	Ser	Glu	Thr	Cys	Tyr	Thr	Leu	Gly	Ile	Ile	Pro	Arg
65					70					75					80
Met	Leu	Ser	Gly	Leu	Val	Met	Gly	Gly	Gln	Ala	Ile	Ser	Phe	Met	Gly
			85						90					95	
Cys	Ala	Thr	Gln	Met	Phe	Phe	Ser	Ala	Ser	Trp	Ala	Cys	Thr	Asn	Cys
			100					105					110		
Phe	Leu	Leu	Ser	Val	Met	Gly	Phe	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Ala
		115					120					125			
Pro	Leu	His	Tyr	Ala	Ser	Arg	Met	Asn	Pro	Thr	Val	Cys	Ala	Gln	Leu
	130					135					140				
Val	Gly	Thr	Ser	Phe	Leu	Ser	Gly	Tyr	Leu	Phe	Gly	Leu	Gly	Met	Thr

145		150		155		160									
Leu	Val	Ile	Phe	Arg	Leu	Ser	Phe	Cys	Ser	Ser	His	Glu	Ile	Gln	His
		165		170		175									
Phe	Phe	Cys	Asp	Thr	Pro	Pro	Val	Leu	Ser	Leu	Thr	Cys	Gly	Asp	Thr
		180		185		190									
Arg	Leu	Ser	Glu	Leu	Gly	Ile	Leu	Ile	Leu	Ser	Leu	Leu	Val	Leu	Leu
		195		200		205									
Val	Ser	Phe	Phe	Leu	Ile	Ser	Val	Ser	Tyr	Ala	Tyr	Ile	Leu	Val	Ala
		210		215		220									
Ile	Leu	Arg	Ile	Pro	Ser	Ala	Glu	Gly	Arg	Arg	Lys	Ala	Phe	Ser	Thr
225				230		235									240
Cys	Ala	Ser	His	Leu	Thr	Val	Val	Val	Ile	His	Tyr	Gly	Cys	Ala	Ser
				245		250									255
Phe	Met	Tyr	Leu	Arg	Pro	Lys	Ala	Ser	Tyr	Ser	Leu	Glu	Arg	Asp	Gln
				260		265									270
Leu	Ile	Ala	Val	Thr	Tyr	Thr	Val	Ala	Thr	Pro	Leu	Leu	Asn	Pro	Ile
		275				280									285
Val	Tyr	Ser	Leu	Arg	Asn	Arg	Ala	Val	Gln	Thr	Ala	Leu	Arg	Asn	Ala
		290				295					300				
Phe	Arg	Gly	Ser	Leu	Leu	Gly	Lys	Arg							
305						310									

<210> 1720
 <211> 309
 <212> PRT
 <213> Mus musculus

<400> 1720

Met	Ile	Asn	Gln	Thr	Ile	Leu	Gln	Glu	Phe	Ile	Leu	Ile	Gly	Phe	Ser
1				5					10					15	
Ala	Tyr	Pro	Leu	Val	Gln	Thr	Cys	Leu	Phe	Val	Val	Phe	Leu	Cys	Leu
			20					25					30		
Tyr	Met	Val	Thr	Leu	Ala	Ser	Asn	Leu	Thr	Ile	Met	Gly	Leu	Thr	Trp
		35					40					45			
Ala	Asp	Arg	Tyr	Leu	His	Thr	Pro	Met	Tyr	Tyr	Phe	Leu	Ser	Ala	Leu
		50				55					60				
Ser	Phe	Ser	Glu	Thr	Cys	Tyr	Thr	Leu	Thr	Ile	Ile	Pro	Lys	Met	Leu
65					70					75					80
Val	Asp	Leu	Leu	Asp	Lys	Asp	Asn	Arg	Ile	Ser	Asp	Ile	Gly	Cys	Gly
			85						90					95	
Leu	Gln	Met	Cys	Phe	Phe	Leu	Gly	Leu	Gly	Gly	Thr	Asn	Cys	Ile	Leu
		100						105						110	
Leu	Thr	Val	Met	Gly	Tyr	Asp	Arg	Phe	Leu	Ala	Ile	Cys	Asn	Ala	Leu
		115					120					125			
Lys	Tyr	Pro	Leu	Leu	Met	Thr	Asn	Val	Ala	Cys	Gly	Gln	His	Val	Ala
		130				135					140				
Thr	Ala	Trp	Val	Gly	Gly	Phe	Leu	Ile	Ser	Leu	Ile	Glu	Thr	Thr	Leu
145					150					155					160
Ile	Phe	Arg	Val	Ser	Phe	Cys	Ile	Pro	Asn	Leu	Ile	Arg	His	Phe	Phe
				165					170						175
Cys	His	Met	Arg	Ala	Val	Leu	Arg	Leu	Ser	Cys	Thr	Asp	Ser	Asn	Phe
			180					185					190		
Thr	Glu	Phe	Ile	Val	Thr	Leu	Met	Ser	Val	Ser	Gly	Leu	Leu	Gly	Thr
		195					200					205			
Phe	Leu	Leu	Ile	Leu	Leu	Thr	Tyr	Val	Phe	Ile	Leu	Ser	Ser	Val	Leu
		210				215					220				
Lys	Ile	Pro	Ser	Ala	Glu	Gly	Lys	Gln	Lys	Ala	Phe	Pro	Pro	Cys	Ala
225					230					235					240

Ser	His	Leu	Thr	Val	Ala	Ile	Ile	His	Phe	Val	Phe	Ala	Pro	Val	Val	
				245					250					255		
Tyr	Leu	Lys	Pro	Glu	Asn	Ser	Gly	Gly	Asp	Asp	Thr	Leu	Ile	Ala	Val	
			260					265						270		
Pro	Tyr	Thr	Ile	Ile	Thr	Pro	Phe	Leu	Ser	Pro	Ile	Ile	Phe	Thr	Leu	
		275					280					285				
Arg	Asn	Lys	Asp	Ile	Lys	Asn	Ala	Phe	Arg	Glu	Ile	Met	Arg	Lys	Thr	
	290					295					300					
Val	Val	Leu	Lys	Lys												
305																

<210> 1721

<211> 315

<212> PRT

<213> Mus musculus

<400> 1721

Met	Gln	Thr	Leu	Arg	Lys	Asp	Asn	Cys	Ser	Ser	Val	Ser	Glu	Phe	Leu	
1				5					10					15		
Leu	Leu	Gly	Phe	Ser	Ser	Glu	Ser	Gln	Val	Arg	Val	Ala	Leu	Phe	Ile	
		20						25					30			
Phe	Phe	Leu	Leu	Leu	Tyr	Met	Ile	Thr	Leu	Leu	Gly	Asn	Gly	Leu	Ile	
		35					40					45				
Ile	Thr	Leu	Ile	Tyr	Leu	Asp	Ser	Arg	Leu	His	Thr	Pro	Met	Tyr	Phe	
	50					55					60					
Phe	Leu	Ser	Ile	Leu	Ser	Leu	Val	Asp	Met	Ser	Tyr	Val	Thr	Thr	Thr	
65					70				75						80	
Val	Pro	Gln	Met	Leu	Val	Asn	Met	Val	Cys	Pro	Arg	Arg	Thr	Ile	Ser	
			85						90					95		
Trp	Gly	Ala	Cys	Val	Ala	Gln	Met	Phe	Ile	Phe	Leu	Leu	Leu	Gly	Ile	
		100						105						110		
Ala	Glu	Cys	Val	Leu	Tyr	Ala	Ile	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	
		115					120					125				
Ile	Cys	Phe	Pro	Leu	His	Tyr	Ser	Val	Leu	Met	Ser	Arg	Leu	Val	Cys	
	130					135					140					
Ile	Lys	Met	Val	Thr	Val	Cys	Trp	Ser	Ile	Ser	Ile	Thr	Gly	Ala	Leu	
145					150					155					160	
Ile	Tyr	Thr	Val	Phe	Thr	Met	Arg	Leu	Pro	Tyr	Cys	Gly	Pro	Tyr	Lys	
			165						170					175		
Ile	Asn	His	Phe	Phe	Cys	Glu	Val	Pro	Ala	Val	Leu	Lys	Leu	Ala	Cys	
		180						185					190			
Ala	Asp	Thr	Ser	Phe	Asn	Asp	Arg	Leu	Asp	Phe	Ile	Leu	Gly	Phe	Ile	
	195						200					205				
Phe	Leu	Leu	Val	Pro	Leu	Ser	Leu	Ile	Leu	Ala	Ser	Tyr	Ala	Cys	Ile	
	210					215					220					
Phe	Ala	Ser	Ile	Leu	Arg	Ile	Arg	Ser	Ser	Gln	Gly	Arg	Leu	Lys	Ser	
225					230					235					240	
Phe	Ser	Thr	Cys	Ala	Ser	His	Ile	Thr	Val	Val	Thr	Met	Phe	Tyr	Gly	
			245						250					255		
Pro	Ala	Met	Ile	Met	Tyr	Met	Arg	Pro	Gly	Ser	Trp	Tyr	Asp	Pro	Glu	
		260						265					270			
Arg	Asp	Lys	Lys	Leu	Ala	Leu	Phe	Tyr	Asn	Val	Val	Ser	Ala	Phe	Leu	
	275						280					285				
Asn	Pro	Ile	Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Val	Lys	Gly	Ala	Phe	
	290					295					300					
Leu	Lys	Val	Leu	Gly	Asp	Arg	Gly	Ala	Ala	Lys						
305					310					315						

<210> 1722
 <211> 304
 <212> PRT
 <213> Mus musculus

<400> 1722
 Met Gln Glu Leu Ser Gln Ile Thr Val Thr Glu Phe Ile Leu Leu Gly
 1 5 10 15
 Phe Thr Pro Asp Pro Arg Thr Asn Pro Leu Leu Phe Pro Phe Phe Leu
 20 25 30
 Val Phe Tyr Leu Leu Ile Leu Leu Ser Asn Ser His Leu Leu Ala Ile
 35 40 45
 Ile His Gln Asp Ser Asp Leu His Thr Pro Pro Thr Tyr Phe Phe Ile
 50 55 60
 Gly Val Leu Ser Met Val Gly Val Cys Tyr Ala Thr Thr Thr Val Ser
 65 70 75 80
 Gln Thr Leu Ala His Ile Leu Ser Arg Lys Arg Ala Ile Ser Phe Thr
 85 90 95
 Arg Cys Val Ala His Ile Tyr Ile Phe Leu Leu Phe Gly Val Thr Glu
 100 105 110
 Ser Trp Leu Leu Ser Ile Met Ser Val Asp Arg Tyr Ile Ala Ile Cys
 115 120 125
 His Pro Leu Arg Tyr Lys Val Ile Val Ser Gln Gly Met Cys Leu Leu
 130 135 140
 Met Val Gly Ile Cys Ala Thr Tyr Gly Val Val Gly Gly Leu Cys Cys
 145 150 155 160
 Thr Phe Phe Ala Met Arg Leu Pro Tyr Cys Gly Pro Ser Glu Ile Asp
 165 170 175
 His Tyr Phe Cys Glu Val Pro Ala Val Leu Lys Leu Ala Cys Ala Asp
 180 185 190
 Thr Ser Leu Ser Asp Phe Val Asp Phe Ile Ile Gly Phe Asn Val Ile
 195 200 205
 Val Val Pro Leu Ser Leu Ile Ala Ile Val Tyr Ala Asn Ile Phe Thr
 210 215 220
 Val Ile Met Lys Ile Arg Ser Thr Gln Arg Arg Thr Lys Asp Gln Gly
 225 230 235 240
 Glu Asp Leu Arg Leu Pro His His Cys Gly His His Val Cys His Leu
 245 250 255
 Met Gln His His Ala His Glu Ser Cys Leu Trp Leu Leu Ile Lys Gln
 260 265 270
 Arg Gln Glu Asn Gly Leu Phe Tyr Asn Ile Ala Thr Ala Phe Leu Asn
 275 280 285
 Pro Val Ile Tyr Ser Leu Arg Asn Lys Asp Val Lys Lys Arg Phe Leu
 290 295 300

<210> 1723
 <211> 313
 <212> PRT
 <213> Mus musculus

<400> 1723
 Met Arg Glu Glu Asn Glu Ser Ser Thr Ile Asp Phe Thr Leu Leu Gly
 1 5 10 15
 Val Thr Arg Gln Arg Glu Gln Glu Tyr Phe Phe Phe Ile Leu Phe Leu
 20 25 30
 Phe Ile Tyr Pro Ile Thr Val Phe Gly Asn Met Leu Ile Ile Leu Ala
 35 40 45

Ile	His	Ser	Asp	Thr	Arg	Leu	His	Asn	Pro	Met	Tyr	Phe	Phe	Leu	Ala
50						55					60				
Asn	Leu	Ser	Leu	Val	Asp	Ile	Phe	Phe	Ser	Ser	Val	Thr	Ile	Pro	Lys
65					70				75						80
Met	Leu	Ala	Asn	His	Leu	Leu	Gly	Ser	Lys	Ala	Ile	Ser	Phe	Gly	Gly
			85						90					95	
Cys	Met	Ala	Gln	Met	Tyr	Phe	Met	Ile	Gly	Leu	Gly	Asn	Thr	Asp	Ser
			100					105					110		
Tyr	Ile	Leu	Ala	Ala	Met	Ala	Tyr	Asp	Arg	Ala	Val	Ala	Ile	Ser	Arg
		115					120					125			
Pro	Leu	His	Tyr	Ala	Thr	Ile	Met	Ser	Pro	Gln	Leu	Cys	Val	Leu	Leu
		130				135					140				
Val	Ala	Gly	Ser	Trp	Val	Ile	Ala	Asn	Ala	Asn	Ala	Leu	Pro	His	Thr
145					150					155					160
Leu	Leu	Thr	Ala	Arg	Leu	Ser	Phe	Cys	Gly	Asn	Lys	Asp	Val	Ala	Asn
				165					170					175	
Phe	Tyr	Cys	Asp	Ile	Thr	Pro	Leu	Leu	Gln	Leu	Ser	Cys	Ser	Asp	Ile
			180					185					190		
Arg	Phe	Asn	Val	Lys	Met	Met	Tyr	Leu	Gly	Val	Gly	Val	Phe	Ser	Val
		195					200					205			
Pro	Leu	Leu	Cys	Ile	Ile	Ile	Ser	Tyr	Val	Arg	Val	Phe	Ser	Thr	Val
		210				215						220			
Leu	Arg	Val	Pro	Ser	Thr	Lys	Gly	Phe	Leu	Lys	Ala	Leu	Ser	Thr	Cys
225					230					235					240
Gly	Ser	His	Leu	Thr	Val	Val	Ser	Leu	Tyr	Tyr	Gly	Thr	Val	Met	Gly
				245					250					255	
Met	Tyr	Phe	Arg	Pro	Leu	Thr	Ser	Tyr	Ser	Leu	Lys	His	Ala	Leu	Ile
			260					265					270		
Thr	Val	Met	Tyr	Thr	Ala	Val	Thr	Pro	Met	Leu	Asn	Pro	Phe	Ile	Tyr
		275					280					285			
Ser	Leu	Arg	Asn	Arg	Asp	Met	Lys	Ala	Ala	Leu	Lys	Lys	Leu	Phe	His
		290				295					300				
Cys	Pro	Ser	Ser	Ser	Ser	Ser	Leu	Met							
305					310										

<210> 1724

<211> 314

<212> PRT

<213> Mus musculus

<400> 1724

Met	Ala	Val	Thr	Asn	Leu	Thr	Tyr	Lys	Pro	Gln	Phe	Gln	Leu	Leu	Gly
1				5				10						15	
Leu	Met	Asp	Gly	Thr	Asp	Pro	His	Pro	Leu	Leu	Phe	Leu	Leu	Phe	Leu
			20					25					30		
Ser	Ile	Tyr	Leu	Leu	Asn	Ala	Leu	Gly	Asn	Leu	Ser	Met	Val	Val	Leu
		35					40					45			
Val	Arg	Ser	Asp	Gly	Ala	Leu	Cys	Ser	Pro	Met	Tyr	Tyr	Phe	Leu	Gly
		50				55					60				
His	Leu	Ser	Leu	Val	Asp	Val	Cys	Phe	Thr	Thr	Val	Thr	Val	Pro	Arg
65					70					75				80	
Leu	Leu	Ala	Thr	Leu	Leu	His	Pro	Gly	Gln	Ala	Ile	Ser	Phe	Gln	Ala
				85					90					95	
Cys	Phe	Ala	Gln	Met	Tyr	Phe	Phe	Val	Ala	Leu	Gly	Ile	Thr	Glu	Ser
			100					105					110		
Tyr	Leu	Leu	Ala	Ala	Met	Ser	Tyr	Asp	Arg	Ala	Val	Ala	Val	Cys	Arg
		115					120					125			
Pro	Leu	His	Tyr	Gly	Ala	Val	Met	Thr	Pro	Trp	Arg	Cys	Phe	Leu	Leu

130	135	140
Val Ala Ala Ser Trp	Ala Val Ala His Leu	His Ser Leu Leu His Thr
145	150	155
Leu Leu Ile Ser	Ala Leu Thr Tyr Pro	Pro Ser Ala Pro Val Arg His
	165	170
Phe Phe Cys Asp	Met Thr Val Met Leu	Ser Leu Ala Thr Ser Asp Thr
	180	185
Ser Ala Ala Glu Thr	Ala Ile Phe Ser Glu Gly	Leu Thr Val Val Leu
	195	200
Thr Pro Leu Leu Leu	Val Ser Leu Ser Tyr Ala	Arg Ile Leu Val Ala
	210	215
Val Leu Gly Ile Arg	Thr Thr Gly Gly Arg His	Arg Val Phe Ser Thr
225	230	235
Cys Gly Ala His Leu	Val Val Val Ser Leu	Phe Phe Gly Ser Val Leu
	245	250
Ser Val Tyr Phe Arg	Pro Ser Ser Ala Tyr	Ser Ala Arg Tyr Asp Arg
	260	265
Met Ala Ser Val Val	Tyr Ala Val Val Thr	Pro Thr Leu Asn Pro Phe
	275	280
Ile Tyr Ser Leu Arg	Asn Lys Glu Val Lys	Ser Ala Leu Lys Arg Gly
	290	295
Phe Arg Trp Arg Ala	Ala Pro Gln Asp Glu	
305	310	

<210> 1725

<211> 311

<212> PRT

<213> Mus musculus

<400> 1725

Met Glu Ser Lys Phe	Glu Ser Asn Gly Thr	Ala Val Thr Glu Phe Ile
1	5	10
Leu Leu Gly Leu Val	Glu Thr Ala Gly Leu	Gln Pro Val Ile Phe Val
	20	25
Val Phe Leu Phe Ala	Tyr Leu Leu Thr Val	Gly Gly Asn Leu Ser Ile
	35	40
Leu Ala Ala Val Phe	Val Glu Pro Lys Leu	His Thr Pro Met Tyr Phe
	50	55
Phe Leu Gly Asn Leu	Ser Met Leu Asp Val	Gly Cys Ile Ser Val Thr
65	70	75
Val Pro Ser Met Leu	Gly Arg Leu Leu Ser	His Lys Arg Thr Val Pro
	85	90
Tyr Gly Ala Cys Leu	Thr Gln Leu Phe Phe	Phe His Gln Leu Ala Gly
	100	105
Val Asp Cys Phe Leu	Leu Thr Ala Met Ala	Tyr Asp Arg Phe Leu Ala
	115	120
Ile Cys Arg Pro Leu	Thr Tyr Ser Thr Arg	Met Asn His Thr Val Gln
	130	135
Arg Ile Leu Val Ala	Thr Ser Trp Ala Cys	Ala Phe Ser Asn Ala Leu
145	150	155
Thr His Thr Val Ala	Ile Ser Thr Leu Asn	Phe Cys Gly Pro Asn Val
	165	170
Ile Asn His Phe Tyr	Cys Asp Leu Pro Gln	Leu Phe Gln Leu Ser Cys
	180	185
Ser Ser Thr Gln Leu	Asn Glu Leu Leu Phe	Gly Leu Gly Val Leu
	195	200
Met Ala Gly Ala Pro	Val Ile Leu Ile Val	Thr Ser Tyr Ile His Val
	210	215
		220

Ala	Ala	Ala	Val	Leu	Arg	Ile	Gln	Ser	Ser	Glu	Gly	Arg	Lys	Lys	Ala
225					230					235					240
Phe	Ser	Thr	Cys	Ser	Ser	His	Leu	Thr	Val	Val	Gly	Ile	Phe	Tyr	Gly
			245						250						255
Thr	Gly	Val	Phe	Ser	Tyr	Met	Arg	Leu	Gly	Ser	Val	Glu	Ala	Ser	Asp
			260					265						270	
Lys	Asp	Lys	Gly	Ile	Gly	Ile	Leu	Asn	Thr	Val	Ile	Ser	Pro	Met	Leu
		275					280					285			
Asn	Pro	Leu	Ile	Tyr	Ser	Leu	Arg	Asn	Pro	Asp	Val	Gln	Gly	Ala	Leu
	290					295					300				
Arg	Arg	Val	Leu	Thr	Gly	Lys									
305					310										

<210> 1726

<211> 315

<212> PRT

<213> Mus musculus

<400> 1726

Met	Gln	Thr	Lys	Pro	Arg	Ile	Asn	Gly	Thr	Thr	Ile	Thr	Glu	Phe	Ile
1				5					10					15	
Leu	Leu	Gly	Leu	Val	Glu	Thr	Pro	Glu	Leu	Trp	Pro	Leu	Val	Phe	Ile
			20					25					30		
Leu	Phe	Leu	Leu	Ala	Tyr	Met	Thr	Thr	Val	Gly	Gly	Asn	Leu	Ser	Ile
		35					40					45			
Leu	Ala	Ala	Val	Leu	Val	Glu	Pro	Lys	Leu	His	Thr	Pro	Met	Tyr	Phe
		50				55					60				
Phe	Leu	Gly	Asn	Leu	Ser	Val	Met	Asp	Val	Gly	Cys	Ile	Ser	Val	Thr
65					70					75					80
Ile	Pro	Ser	Met	Leu	Val	Arg	Leu	Leu	Val	Gln	Lys	His	Thr	Ile	Pro
				85					90					95	
Tyr	Gly	Asp	Cys	Leu	Thr	Gln	Leu	Phe	Phe	Phe	His	Leu	Leu	Ala	Gly
			100					105					110		
Val	Asp	Cys	Phe	Leu	Leu	Thr	Ala	Met	Ala	Tyr	Asp	Arg	Phe	Leu	Ala
		115					120					125			
Ile	Cys	Gln	Pro	Leu	Thr	Tyr	Ser	Thr	Arg	Met	Asn	Tyr	Thr	Ile	Gln
	130					135					140				
Arg	Ile	Leu	Val	Ala	Met	Ser	Trp	Ala	Cys	Ala	Phe	Ser	Asn	Ala	Leu
145					150					155					160
Thr	His	Thr	Val	Ala	Ile	Ser	Thr	Leu	His	Phe	Cys	Gly	Pro	Asn	Val
			165						170					175	
Ile	Asn	His	Phe	Tyr	Cys	Asp	Leu	Pro	Gln	Leu	Phe	Gln	Leu	Ser	Cys
			180					185					190		
Ser	Ser	Thr	Gln	Leu	Asn	Glu	Leu	Leu	Leu	Phe	Gly	Val	Gly	Phe	Ile
		195					200					205			
Met	Ala	Gly	Thr	Pro	Met	Ala	Leu	Ile	Phe	Ile	Ser	Tyr	Ile	His	Val
	210					215						220			
Ala	Ala	Ala	Val	Leu	Arg	Ile	Arg	Ser	Ala	Glu	Gly	Arg	Lys	Lys	Ala
225					230					235					240
Phe	Ser	Thr	Cys	Ser	Ser	His	Leu	Thr	Val	Val	Ala	Met	Phe	Tyr	Gly
			245						250					255	
Thr	Gly	Met	Phe	Asn	Tyr	Met	Arg	Leu	Gly	Ser	Thr	Lys	Phe	Ser	Asp
			260					265					270		
Lys	Asp	Lys	Ala	Ile	Gly	Ile	Phe	Asn	Thr	Val	Ile	Asn	Pro	Met	Leu
		275					280					285			
Asn	Pro	Leu	Ile	Tyr	Ser	Leu	Arg	Asn	Pro	Asp	Val	Gln	Ala	Ala	Leu
	290					295					300				
Trp	Arg	Val	Leu	Thr	Gly	Arg	Arg	Pro	Ala	Ala					

305

310

315

<210> 1727

<211> 315

<212> PRT

<213> Mus musculus

<400> 1727

```

Met Gln Pro Lys Pro Arg Ala Asn Gly Thr Thr Ile Thr Glu Phe Ile
 1          5          10          15
Leu Leu Gly Leu Val Glu Thr Pro Glu Leu Trp Pro Leu Val Phe Ile
          20          25          30
Leu Phe Leu Leu Ala Tyr Met Thr Thr Val Gly Gly Asn Leu Ser Ile
          35          40          45
Leu Ala Ala Val Leu Val Glu Pro Lys Leu His Thr Pro Met Tyr Phe
          50          55          60
Phe Leu Gly Asn Leu Ser Val Met Asp Val Gly Cys Ile Ser Val Thr
65          70          75          80
Ile Pro Ser Met Leu Val Arg Leu Leu Val His Lys Arg Thr Ile Pro
          85          90          95
Tyr Gly Asp Cys Leu Thr Gln Leu Phe Phe His Leu Leu Val Gly
          100          105          110
Val Asp Cys Phe Leu Leu Thr Ala Met Ala Tyr Asp Arg Phe Leu Ala
          115          120          125
Ile Cys Arg Pro Leu Thr Tyr Ser Thr Arg Met Asn His Thr Ile Gln
          130          135          140
Arg Ile Leu Val Ala Thr Ser Trp Ala Cys Ala Phe Ser Asn Ala Leu
145          150          155          160
Thr His Thr Val Ala Ile Ser Thr Leu His Phe Cys Gly Pro Asn Val
          165          170          175
Ile Asn His Phe Tyr Cys Asp Leu Pro Gln Leu Phe Gln Leu Ser Cys
          180          185          190
Ser Ser Thr Gln Leu Asn Glu Leu Leu Leu Phe Gly Val Gly Phe Ile
          195          200          205
Met Ala Gly Thr Pro Met Ala Leu Ile Phe Thr Ser Tyr Met His Val
          210          215          220
Ala Ala Ala Val Leu Arg Ile Arg Ser Ala Glu Gly Arg Lys Lys Ala
225          230          235          240
Phe Ser Thr Cys Ser Ser His Leu Thr Val Val Ala Ile Phe Tyr Gly
          245          250          255
Ala Gly Ile Phe Asn Tyr Met Arg Leu Gly Ser Thr Lys Leu Ser Asp
          260          265          270
Lys Asp Lys Ala Ile Gly Ile Phe Asn Thr Val Ile Asn Pro Met Leu
          275          280          285
Asn Pro Leu Ile Tyr Ser Leu Arg Asn Pro Asp Val Gln Ala Ala Leu
          290          295          300
Trp Arg Val Leu Thr Gly Arg Arg Pro Ala Ala
305          310          315

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<210> 1728

<211> 315

<212> PRT

<213> Mus musculus

<400> 1728

```

Met Gln Pro Lys Pro Arg Ala Asn Gly Thr Thr Val Thr Glu Phe Ile
 1          5          10          15

```

Leu Leu Gly Leu Val Glu Thr Pro Glu Leu Trp Pro Leu Val Phe Ile
 20 25 30
 Leu Phe Leu Leu Ala Tyr Met Thr Thr Val Gly Gly Asn Leu Ser Ile
 35 40 45
 Leu Ala Ala Val Leu Val Glu Pro Lys Leu His Thr His Met Tyr Phe
 50 55 60
 Phe Leu Gly Asn Leu Ser Val Met Asp Val Gly Cys Ile Ser Val Thr
 65 70 75 80
 Ile Pro Ser Met Leu Gly Arg Leu Leu Ala His Arg Leu Thr Val Pro
 85 90 95
 Tyr Gly Ala Cys Leu Thr Gln Leu Phe Phe Phe His Leu Leu Ala Gly
 100 105 110
 Val Asp Cys Phe Leu Leu Thr Ala Met Ala Tyr Asp Arg Phe Leu Ala
 115 120 125
 Ile Cys Gln Pro Leu Thr Tyr Ser Thr Arg Met Asn His Ser Val Gln
 130 135 140
 Arg Ile Leu Val Ala Ser Ser Trp Ala Cys Ser Phe Ser Asn Ala Leu
 145 150 155 160
 Thr His Thr Val Ala Thr Ser Thr Leu Arg Phe Cys Gly Pro Asn Val
 165 170 175
 Ile Asp Asn Phe Tyr Cys Asp Leu Pro Gln Leu Phe Gln Leu Ser Cys
 180 185 190
 Ser Ser Thr Gln Ile Asn Glu Leu Leu Phe Ala Leu Ser Phe Ile
 195 200 205
 Met Ala Gly Thr Pro Met Ala Leu Ile Phe Thr Ser Tyr Ile Asn Val
 210 215 220
 Ala Ala Ala Val Leu Arg Ile Arg Ser Ala Glu Gly Arg Lys Lys Ala
 225 230 235 240
 Phe Ser Thr Cys Ser Ser His Leu Thr Val Val Ala Met Phe Tyr Gly
 245 250 255
 Thr Gly Met Phe Asn Tyr Met Arg Leu Gly Ser Thr Lys Leu Ser Asp
 260 265 270
 Lys Asp Lys Ala Ile Gly Ile Phe Asn Thr Val Ile Asn Pro Met Leu
 275 280 285
 Asn Pro Leu Ile Tyr Ser Leu Arg Asn Pro Asp Val Gln Ala Ala Leu
 290 295 300
 Trp Arg Val Leu Thr Gly Arg Arg Pro Ala Ala
 305 310 315

<210> 1729

<211> 310

<212> PRT

<213> Mus musculus

<400> 1729

Met Glu Asn Cys Thr Lys Val Arg Glu Phe Ile Leu Leu Gly Leu Thr
 1 5 10 15
 Asp Asp Pro Gly Leu Gln Val Ser Leu Cys Ile Met Phe Thr Leu Ile
 20 25 30
 Tyr Leu Ile Asp Val Val Gly Asn Thr Gly Leu Ile Met Leu Val Leu
 35 40 45
 Met Asp Ser His Leu His Thr Pro Met Tyr Phe Phe Leu Cys Asn Leu
 50 55 60
 Ser Phe Val Asp Leu Gly Tyr Ser Ser Ala Val Thr Pro Met Val Ile
 65 70 75 80
 Ser Glu Phe Phe Ile Val Ser Lys Val Val Ser Tyr Asn Ala Cys Ala
 85 90 95
 Ala Gln Met Phe Phe Phe Val Gly Phe Ala Thr Gly Glu Asn Tyr Leu

Asn	Gln	Val	Arg	Glu	Leu	Val	Leu	Leu	Tyr	Ile	Glu	Ser	Leu	Asp	Val
		195					200					205			
Phe	Phe	Ala	Leu	Ile	Val	Ile	Cys	Thr	Ser	Tyr	Met	Leu	Ile	Phe	Val
	210					215					220				
Thr	Ile	Leu	Lys	Met	His	Ser	Ala	Ser	Gly	His	His	Lys	Ala	Ile	Ser
225					230					235					240
Thr	Cys	Ala	Ser	His	Phe	Thr	Ala	Val	Ser	Ile	Phe	Tyr	Gly	Thr	Val
				245					250					255	
Ile	Phe	Met	Tyr	Leu	Gln	Pro	Ser	Ser	Asn	His	Ser	Met	Asp	Ile	Asp
			260					265					270		
Lys	Val	Thr	Ser	Val	Phe	Tyr	Thr	Met	Val	Ile	Pro	Met	Leu	Asn	Pro
		275					280					285			
Leu	Val	Tyr	Ser	Met	Arg	Asn	Lys	Glu	Val	Lys	Asn	Ala	Phe	Ile	Lys
	290					295					300				
Leu	Ile	Leu	His												
305															

<210> 1731

<211> 309

<212> PRT

<213> Mus musculus

<400> 1731

Met	Thr	Ile	Met	Lys	Asn	Arg	Thr	Glu	Val	Thr	Glu	Phe	Ile	Leu	Leu
1				5					10					15	
Gly	Leu	Thr	Asn	Asp	Pro	Gly	Leu	Gln	Leu	Pro	Leu	Phe	Ile	Thr	Phe
			20					25					30		
Leu	Leu	Ile	Tyr	Thr	Ile	Thr	Val	Val	Gly	Asn	Leu	Gly	Met	Ile	Leu
		35					40					45			
Leu	Ile	Val	Leu	Asp	Ser	Arg	Leu	His	Thr	Pro	Met	Tyr	Ile	Phe	Leu
	50					55					60				
Gly	Asn	Leu	Ser	Leu	Val	Asp	Phe	Cys	Tyr	Ser	Thr	Ala	Val	Thr	Pro
65					70					75					80
Thr	Val	Met	Asn	Gly	Leu	Leu	Ile	Gly	Asn	Lys	Val	Ile	Ser	Tyr	Asn
			85						90					95	
Asp	Cys	Ala	Ala	Gln	Met	Phe	Phe	Phe	Gly	Ala	Phe	Ala	Thr	Val	Glu
			100					105					110		
Asn	Tyr	Leu	Leu	Ala	Ser	Met	Ala	Tyr	Asp	Arg	Tyr	Ala	Ala	Val	Cys
		115					120					125			
Lys	Pro	Leu	His	Tyr	Ala	Thr	Ile	Met	Thr	Lys	Ser	Met	Tyr	Thr	Trp
	130					135					140				
Leu	Ile	Thr	Gly	Ser	Tyr	Val	Ile	Ser	Phe	Thr	Asn	Ser	Ser	Ile	His
145					150					155					160
Ile	Ala	Asp	Ile	Phe	Thr	Leu	Ser	Phe	Cys	Lys	Ser	Asn	Val	Ile	His
			165						170					175	
His	Phe	Phe	Cys	Asp	Val	Pro	Ala	Ile	Met	Ala	Leu	Thr	Cys	Phe	Asp
			180					185					190		
Asn	Gln	Val	Arg	Glu	His	Val	Leu	Leu	Tyr	Ile	Glu	Ser	Leu	Asn	Val
		195					200					205			
Phe	Phe	Ala	Leu	Ile	Val	Ile	Cys	Thr	Ser	Tyr	Met	Leu	Ile	Phe	Val
	210					215					220				
Thr	Ile	Leu	Lys	Met	His	Ser	Ala	Ser	Gly	His	His	Lys	Ala	Ile	Ser
225					230					235					240
Thr	Cys	Ala	Ser	His	Phe	Thr	Ala	Val	Ser	Ile	Phe	Tyr	Gly	Thr	Val
				245					250					255	
Ile	Phe	Met	Tyr	Leu	Gln	Pro	Ser	Ser	Asn	His	Ser	Met	Asp	Thr	Asp
			260					265					270		
Lys	Val	Thr	Ser	Val	Phe	Tyr	Thr	Met	Val	Ile	Pro	Met	Leu	Asn	Pro

	275		280		285										
Leu	Val	Tyr	Ser	Leu	Arg	Asn	Lys	Glu	Val	Lys	Asn	Ala	Phe	Ile	Lys
	290					295					300				
Leu	Ile	Leu	His	Tyr											
305															

<210> 1732
 <211> 319
 <212> PRT
 <213> Mus musculus

<400> 1732

Met	Thr	Ser	Met	Glu	Asn	Ile	Thr	Glu	Val	Thr	Glu	Phe	Ile	Leu	Leu
1				5				10					15		
Gly	Leu	Thr	Asp	Asp	Pro	Asn	Leu	Gln	Val	Pro	Leu	Leu	Leu	Ile	Phe
			20					25				30			
Leu	Phe	Ile	Tyr	Leu	Val	Thr	Leu	Ile	Gly	Asn	Gly	Gly	Met	Met	Val
		35					40				45				
Ile	Ile	Phe	Ser	Asp	Ser	His	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu
	50					55					60				
Ser	Asn	Leu	Ser	Phe	Val	Asp	Leu	Gly	Tyr	Ser	Ser	Ala	Val	Ala	Pro
65					70				75						80
Lys	Met	Val	Ala	Ala	Leu	Gln	Ser	Gly	Asn	Lys	Val	Ile	Ser	Tyr	Asn
				85				90						95	
Gly	Cys	Ala	Ala	Gln	Phe	Phe	Phe	Phe	Val	Gly	Phe	Ala	Thr	Val	Glu
			100					105					110		
Cys	Tyr	Leu	Leu	Ala	Ser	Met	Ala	Tyr	Asp	Arg	His	Ala	Ala	Val	Cys
		115					120					125			
Arg	Pro	Leu	His	Tyr	Thr	Thr	Thr	Met	Thr	Thr	Gly	Val	Cys	Thr	Ile
	130					135					140				
Leu	Thr	Ile	Gly	Ser	Tyr	Thr	Cys	Gly	Phe	Leu	Asn	Ala	Ser	Ile	His
145					150					155					160
Ala	Ala	Asp	Thr	Phe	Lys	Leu	Ser	Phe	Cys	Gly	Ser	Asn	Lys	Ile	Asn
				165					170					175	
His	Phe	Phe	Cys	Asp	Ile	Pro	Pro	Leu	Leu	Ala	Leu	Ala	Cys	Ser	Ser
			180					185					190		
Thr	His	Ile	Ser	Lys	Leu	Val	Val	Phe	Phe	Val	Val	Gly	Phe	Asn	Val
		195					200					205			
Phe	Phe	Thr	Leu	Leu	Val	Ile	Ile	Ile	Ser	Tyr	Phe	Phe	Ile	Tyr	Ile
		210				215					220				
Ala	Ile	Gln	Asn	Met	Lys	Ser	Ser	Glu	Gly	Arg	Lys	Lys	Ala	Phe	Ser
225					230					235					240
Thr	Cys	Ala	Ser	His	Leu	Thr	Ala	Val	Ser	Ile	Phe	Tyr	Gly	Thr	Ile
				245					250					255	
Ile	Phe	Met	Tyr	Leu	Gln	Pro	Ser	Ser	Gly	Gln	Ser	Met	Asp	Thr	Asp
			260					265					270		
Lys	Ile	Ala	Ser	Val	Phe	Tyr	Thr	Val	Val	Ile	Pro	Met	Leu	Asn	Pro
		275					280					285			
Leu	Ile	Tyr	Ser	Leu	Arg	Asn	Arg	Glu	Val	Lys	Ser	Ala	Leu	Trp	Lys
	290					295					300				
Ile	Leu	Asn	Arg	Phe	Tyr	Pro	Ala	Ser	Phe	Ser	Val	Ser	Arg	Lys	
305					310					315					

<210> 1733
 <211> 314
 <212> PRT
 <213> Mus musculus

<400> 1733

```
Met Glu Asn Ser Thr Glu Val Thr Glu Phe Ile Leu Ala Gly Leu Thr
 1      5      10      15
Asp Asp Pro Lys Leu Gln Ile Pro Leu Phe Ile Val Phe Leu Leu Ile
      20      25      30
Tyr Leu Ser Thr Val Leu Gly Asn Leu Gly Met Val Gly Leu Ile Leu
      35      40      45
Leu Asp Ser His Leu His Thr Pro Met Tyr Leu Phe Leu Ser His Leu
      50      55      60
Ser Leu Val Asp Phe Gly Tyr Ser Ser Ala Val Thr Pro Lys Val Met
      65      70      75      80
Ser Gly Leu Leu Ser Ile Asp Lys Thr Ile Ser His Asn Thr Cys Gly
      85      90      95
Thr Gln Phe Phe Phe Val Gly Phe Ile Thr Thr Glu Ser Phe Leu
      100      105      110
Leu Ala Ala Met Ala Tyr Asp Arg Tyr Ala Ala Val Cys Lys Pro Leu
      115      120      125
His Tyr Thr Thr Thr Met Thr Thr Asn Thr Cys Ala Cys Leu Thr Ile
      130      135      140
Gly Ser Tyr Val Cys Gly Phe Leu Asn Ser Ser Ile His Thr Gly Asn
      145      150      155      160
Ile Phe Arg Leu Ser Phe Cys Lys Phe Asn Val Ile Asp His Phe Phe
      165      170      175
Cys Asp Ala Pro Pro Leu Leu Ala Leu Ser Cys Ser Asp Thr Tyr Ile
      180      185      190
Ser Glu Thr Val Ile Phe Phe Val Val Gly Phe Asn Ala Leu Phe Ser
      195      200      205
Ile Val Val Ile Thr Ile Ser Tyr Leu Leu Ile Phe Ile Thr Ile Leu
      210      215      220
Arg Met Arg Ser Ser Glu Gly Arg His Lys Ala Phe Ser Thr Cys Ala
      225      230      235      240
Ser His Leu Thr Ala Val Ser Ile Phe Tyr Gly Thr Val Ile Phe Met
      245      250      255
Tyr Leu Gln Pro Ser Ser Ser His Thr Met Gly Thr Asp Lys Met Ala
      260      265      270
Ser Val Phe Tyr Thr Met Val Ile Pro Met Leu Asn Pro Leu Val Tyr
      275      280      285
Ser Leu Arg Asn Lys Glu Val Lys Gly Ala Phe Lys Lys Ala Val Gly
      290      295      300
Asn Ala Lys Ser Ala Leu Thr Phe Leu Phe
305      310
```

<210> 1734

<211> 307

<212> PRT

<213> Mus musculus

<400> 1734

```
Met Glu Asn Arg Thr Glu Val Arg Cys Phe Ile Leu Val Gly Leu Thr
 1      5      10      15
Asn Asp Pro Ser Leu Gln Leu Pro Leu Ser Ile Thr Phe Leu Leu Ile
      20      25      30
Tyr Ile Ile Thr Leu Ile Gly Asn Leu Gly Leu Ile Leu Met Ile Leu
      35      40      45
Leu Asp Ser Arg Leu His Thr Pro Met Tyr Ile Phe Leu Gly Asn Leu
      50      55      60
Ser Leu Val Asp Phe Cys Tyr Ser Ser Thr Val Thr Pro Lys Val Ile
```

65					70					75				80	
Ala	Gly	Phe	Leu	Thr	Gly	Asp	Lys	Ile	Met	Ser	Tyr	Asn	Ala	Cys	Ala
				85					90					95	
Ser	Gln	Met	Phe	Phe	Phe	Ala	Asn	Phe	Gly	Asp	Val	Glu	Asn	Tyr	Leu
			100					105					110		
Leu	Ala	Ser	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Val	Cys	Lys	Pro	Leu
		115					120					125			
His	Tyr	Ala	Thr	Thr	Met	Thr	Thr	His	Met	Cys	Ala	Ser	Leu	Val	Ile
	130					135					140				
Gly	Cys	Tyr	Ile	Cys	Gly	Phe	Leu	Ser	Ala	Ser	Ile	Tyr	Thr	Met	Asp
145					150				155					160	
Ala	Leu	Ser	Leu	Ser	Phe	Cys	Glu	Ser	Asn	Val	Ile	His	His	Phe	Phe
				165					170					175	
Cys	Asp	Val	Leu	Ala	Val	Met	Ile	Val	Ser	Cys	Ser	Asp	Ser	His	Val
		180						185				190			
Asn	Glu	Leu	Ile	Leu	Ile	Tyr	Val	Val	Ser	Phe	Asn	Met	Phe	Phe	Ala
		195					200					205			
Leu	Ile	Ile	Ile	Leu	Ile	Ser	Tyr	Met	Phe	Ile	Phe	Thr	Asn	Ile	Leu
	210					215					220				
Lys	Ile	His	Ser	Ser	Ala	Gly	Tyr	His	Lys	Ala	Val	Ser	Thr	Cys	Ala
225					230				235					240	
Ser	His	Phe	Thr	Ala	Val	Ser	Ile	Phe	Tyr	Gly	Thr	Ile	Ile	Phe	Met
				245					250					255	
Tyr	Leu	Gln	Pro	Ser	Ser	Ser	His	Thr	Met	Asp	Thr	Asp	Lys	Ile	Ala
		260						265				270			
Ser	Val	Phe	Tyr	Thr	Met	Val	Ile	Cys	Met	Leu	Asn	Pro	Leu	Val	Tyr
		275					280				285				
Ser	Leu	Arg	Ser	Lys	Asp	Val	Lys	Ser	Ala	Phe	Thr	Lys	Ile	Val	Leu
	290					295					300				
Arg	Ser	Lys													
305															

<210> 1735
 <211> 314
 <212> PRT
 <213> Mus musculus

<400> 1735

Met	Glu	Asn	Ser	Thr	Glu	Val	Thr	Glu	Phe	Ile	Leu	Thr	Gly	Leu	Thr
1				5				10					15		
Asp	Asn	Pro	Glu	Leu	Gln	Ile	Pro	Leu	Phe	Ile	Val	Phe	Leu	Leu	Ile
			20					25				30			
Tyr	Leu	Ser	Thr	Val	Leu	Gly	Asn	Leu	Gly	Met	Val	Gly	Leu	Ile	Leu
		35				40					45				
Leu	Asp	Ser	His	Leu	His	Thr	Pro	Met	Tyr	Leu	Phe	Leu	Ser	His	Leu
	50					55					60				
Ser	Leu	Val	Asp	Phe	Gly	Tyr	Ser	Ser	Ala	Val	Thr	Pro	Lys	Val	Met
65					70				75					80	
Pro	Gly	Leu	Leu	Ser	Ile	Asp	Lys	Thr	Ile	Thr	His	Asn	Ala	Cys	Gly
				85				90					95		
Thr	Gln	Phe	Phe	Phe	Phe	Val	Ser	Phe	Ile	Thr	Thr	Glu	Ser	Phe	Leu
			100					105				110			
Leu	Ala	Ala	Met	Ala	Tyr	Asp	Arg	Tyr	Ala	Ala	Val	Cys	Lys	Pro	Leu
		115					120					125			
Gln	Tyr	Thr	Thr	Thr	Met	Thr	Thr	Asn	Thr	Cys	Ala	Cys	Leu	Thr	Ile
	130					135					140				
Gly	Ser	Tyr	Val	Cys	Gly	Val	Leu	Asn	Ser	Ser	Ile	His	Thr	Gly	Asn
145					150				155					160	

Ile	Phe	Arg	Leu	Ser	Phe	Cys	Lys	Phe	Asn	Val	Ile	Asp	His	Phe	Phe
				165					170					175	
Cys	Asp	Ala	Pro	Pro	Leu	Leu	Ala	Leu	Ser	Cys	Ser	Asp	Thr	Ser	Val
			180					185					190		
Ser	Glu	Met	Val	Ile	Leu	Phe	Val	Val	Gly	Phe	Asn	Asp	Ile	Phe	Ser
		195					200					205			
Ile	Val	Val	Ile	Pro	Ile	Ser	Tyr	Leu	Phe	Ile	Phe	Ile	Thr	Ile	Leu
	210					215					220				
Arg	Met	Arg	Ser	Ser	Glu	Gly	Arg	Gln	Lys	Ala	Phe	Ser	Thr	Cys	Ala
225					230					235					240
Ser	His	Leu	Thr	Val	Val	Phe	Ile	Phe	Tyr	Gly	Ser	Gly	Ile	Phe	Met
			245						250					255	
Tyr	Leu	Gln	Pro	Ser	Ser	Ser	His	Thr	Met	Gly	Thr	Asp	Lys	Met	Ala
			260					265					270		
Ser	Val	Phe	Tyr	Thr	Met	Ile	Ile	Pro	Met	Leu	Asn	Pro	Leu	Val	Tyr
		275					280					285			
Ser	Leu	Arg	Asn	Lys	Glu	Val	Lys	Ser	Ala	Phe	Lys	Lys	Ala	Val	Glu
	290					295					300				
Lys	Ala	Lys	Ile	Ser	Leu	Ala	Phe	Thr	Phe						
305					310										

<210> 1736
 <211> 312
 <212> PRT
 <213> Mus musculus

<400> 1736

Met	Glu	Asn	Arg	Thr	Glu	Val	Thr	Glu	Phe	Ile	Leu	Leu	Gly	Val	Thr
1				5					10					15	
Asn	Ala	Pro	Ala	Leu	Gln	Thr	Pro	Leu	Phe	Ile	Leu	Phe	Thr	Leu	Ile
			20					25					30		
Tyr	Phe	Ile	Asn	Met	Thr	Gly	Asn	Leu	Gly	Met	Leu	Val	Leu	Ile	Leu
		35				40						45			
Trp	Asp	Ser	Arg	Leu	His	Thr	Pro	Met	Tyr	Ile	Phe	Leu	Gly	Asn	Leu
	50					55					60				
Ser	Leu	Val	Asp	Ile	Phe	Tyr	Ser	Ser	Ala	Val	Thr	Pro	Thr	Val	Val
65					70					75					80
Ala	Gly	Leu	Leu	Val	Gly	Asn	Gln	Ala	Ile	Ser	Tyr	Asn	Ala	Cys	Ala
			85					90					95		
Ala	Gln	Met	Phe	Leu	Phe	Val	Val	Phe	Ala	Thr	Ala	Glu	Asn	Phe	Leu
			100					105					110		
Leu	Ala	Ala	Met	Ala	Tyr	Asp	Arg	Tyr	Ala	Ala	Val	Cys	Lys	Pro	Leu
		115					120					125			
His	Tyr	Thr	Thr	Thr	Met	Thr	Pro	Thr	Thr	Cys	Ala	Cys	Leu	Thr	Met
	130					135					140				
Ala	Cys	Tyr	Ala	Gly	Gly	Phe	Leu	Asn	Ser	Ser	Ile	His	Thr	Gly	Asp
145					150					155					160
Thr	Phe	Arg	Leu	Tyr	Phe	Cys	Lys	Ser	Asn	Val	Val	His	His	Phe	Phe
			165						170					175	
Cys	Asp	Val	Pro	Ala	Val	Met	Val	Leu	Ser	Cys	Ser	Asp	Arg	His	Ile
			180					185					190		
Ser	Glu	Met	Val	Leu	Leu	Tyr	Gly	Ala	Ser	Phe	Val	Ile	Cys	Ser	Ala
		195					200					205			
Leu	Leu	Val	Ile	Leu	Ile	Ser	Tyr	Ile	Phe	Ile	Phe	Ile	Thr	Ile	Phe
	210					215					220				
Lys	Met	Arg	Ser	Ala	Ala	Gly	Tyr	Gln	Lys	Ala	Met	Ser	Thr	Cys	Val
225					230					235					240
Ser	His	Phe	Thr	Ala	Val	Ser	Ile	Phe	Tyr	Gly	Thr	Leu	Ile	Phe	Met

<210> 1738
 <211> 315
 <212> PRT
 <213> Mus musculus

<400> 1738
 Met Met Gln Asn Ile Ser Glu Leu Ser Glu Phe Ile Leu Val Gly Leu
 1 5 10 15
 Thr Asp Ala Pro Phe Leu Gln Thr Pro Leu Phe Ile Ile Phe Thr Leu
 20 25 30
 Ile Tyr Leu Thr Thr Leu Phe Gly Asn Leu Gly Met Ile Met Leu Ile
 35 40 45
 Leu Leu Asp Ser Arg Leu His Thr Pro Met Tyr Phe Phe Leu Ser Asn
 50 55 60
 Leu Ser Leu Val Asp Cys Val Tyr Ala Ser Ala Val Thr Pro Lys Val
 65 70 75 80
 Met Glu Gly Phe Leu Thr Gly Asn Lys Ile Ile Ser Tyr Asn Ala Cys
 85 90 95
 Ala Ala Gln Met Phe Phe Phe Val Ala Phe Ala Ile Thr Glu Asn Phe
 100 105 110
 Ile Leu Ala Ser Met Ala Tyr Asp Arg His Ala Ala Val Cys Lys Pro
 115 120 125
 Leu His Tyr Ser Thr Thr Met Thr Thr Thr Ile Cys Val Leu Leu Leu
 130 135 140
 Val Gly Ser Tyr Leu Ser Gly Leu Leu His Ser Ser Ile His Val Ser
 145 150 155 160
 Phe Thr Phe His Leu Ser Phe Cys Arg Ser Asn Val Val Asn His Phe
 165 170 175
 Phe Cys Asp Ile Pro Pro Leu Leu Ala Val Ser Cys Ser Ser Ile Arg
 180 185 190
 Thr Asn Glu Ile Ile Leu Phe Met Leu Ala Gly Phe Asp Val Ala Phe
 195 200 205
 Ser Leu Leu Val Ile Leu Thr Ser Tyr Leu Leu Ile Ser Val Ala Ile
 210 215 220
 Val Arg Met Arg Ser Ala Glu Ser Arg Lys Lys Ala Ile Ser Thr Cys
 225 230 235 240
 Ala Ser His Leu Thr Thr Val Ser Ile Phe Tyr Gly Thr Ile Ile Phe
 245 250 255
 Met Tyr Leu Gln Pro Ser Ser Asn His Ser Met Asp Thr Asp Lys Leu
 260 265 270
 Ala Ser Val Phe Tyr Thr Met Val Ile Pro Met Leu Asn Pro Leu Val
 275 280 285
 Tyr Ser Leu Arg Asn Lys Glu Val Lys Asn Ala Phe Lys Lys Val Ala
 290 295 300
 Gly Lys Ala Val Leu Ser Leu Gly Leu Ile Asn
 305 310 315

<210> 1739
 <211> 309
 <212> PRT
 <213> Mus musculus

<400> 1739
 Met Ser Leu Met Glu Asn Asn Thr Asp Val Thr Gln Phe Leu Leu Leu
 1 5 10 15
 Gly Leu Thr Asp Asp Pro Gly Leu Gln Phe Pro Leu Phe Ile Thr Phe
 20 25 30
 Leu Leu Ile Tyr Thr Ile Thr Leu Val Gly Asn Leu Gly Met Ile Leu

Lys	Pro	Leu	Tyr	Tyr	Ala	Thr	Thr	Met	Thr	Pro	Ser	Val	Cys	Met	Cys	
	130					135					140					
Phe	Ile	Met	Gly	Cys	Tyr	Ala	Leu	Gly	Phe	Leu	Asn	Ala	Ser	Val	Tyr	
145					150					155					160	
Leu	Gly	Asn	Thr	Phe	Ser	Leu	Ser	Phe	Cys	Lys	Ser	Asn	Val	Val	His	
				165					170					175		
His	Phe	Phe	Cys	Asp	Met	Pro	Ala	Ile	Met	Ala	Leu	Ser	Cys	Ser	Asp	
			180					185					190			
Arg	His	Val	Asn	Glu	Leu	Val	Leu	Ile	Tyr	Gln	Ala	Ser	Phe	Ile	Ile	
		195					200					205				
Phe	Phe	Ala	Leu	Ile	Ile	Ile	Leu	Ile	Ser	Tyr	Ile	Ile	Ile	Phe	Ile	
	210					215					220					
Thr	Ile	Leu	Lys	Met	His	Ser	Glu	Ala	Gly	Val	Gln	Lys	Ala	Leu	Ser	
225					230					235					240	
Thr	Cys	Ala	Ser	His	Phe	Thr	Ala	Val	Phe	Ile	Phe	Tyr	Gly	Thr	Thr	
				245					250					255		
Ile	Phe	Met	Tyr	Leu	Gln	Pro	Ser	Ser	Arg	His	Ala	Met	Asp	Thr	Asp	
			260					265					270			
Lys	Ile	Val	Ser	Val	Phe	Tyr	Thr	Met	Val	Ile	Pro	Met	Leu	Asn	Pro	
	275						280					285				
Leu	Val	Tyr	Ser	Leu	Arg	Asn	Lys	Glu	Val	Lys	Ser	Ala	Phe	Met	Lys	
	290					295					300					
Val	Val	Leu	Lys	Glu	Lys											
305					310											

<210> 1741

<211> 307

<212> PRT

<213> Mus musculus

<400> 1741

Met	Glu	Asn	Thr	Thr	Glu	Val	Thr	Trp	Phe	Val	Leu	Leu	Gly	Leu	Thr	
1				5					10					15		
Asn	Asp	Pro	Gln	Leu	Gln	Leu	Pro	Leu	Phe	Ile	Thr	Phe	Leu	Leu	Ile	
			20					25					30			
Tyr	Ile	Ile	Thr	Leu	Val	Gly	Asn	Leu	Gly	Ile	Ile	Leu	Leu	Ile	Leu	
	35					40						45				
Leu	Asp	Ser	Arg	Leu	His	Thr	Pro	Met	Tyr	Ile	Phe	Leu	Ser	Asn	Leu	
	50					55					60					
Ser	Leu	Val	Asp	Phe	Cys	Tyr	Ser	Ser	Thr	Ile	Thr	Pro	Lys	Val	Met	
65					70					75					80	
Ala	Gly	Phe	Leu	Thr	Gly	Asp	Arg	Ile	Ile	Ser	Tyr	Asn	Ala	Cys	Ala	
				85					90					95		
Ser	Gln	Met	Phe	Phe	Phe	Ala	His	Phe	Ala	Asp	Val	Glu	Ser	Tyr	Leu	
			100					105					110			
Leu	Val	Ser	Met	Ala	Tyr	Asp	His	Tyr	Val	Ala	Val	Cys	Lys	Pro	Leu	
		115					120					125				
His	Tyr	Ala	Thr	Thr	Met	Thr	His	Leu	Cys	Val	Phe	Leu	Val	Ile		
	130					135					140					
Gly	Cys	Tyr	Ile	Cys	Gly	Phe	Leu	Asn	Ala	Ser	Ile	Tyr	Thr	Val	Asp	
145					150					155					160	
Val	Phe	Ser	Leu	Ser	Phe	Cys	Glu	Ser	Asn	Val	Ile	His	His	Phe	Phe	
				165					170					175		
Cys	Asp	Val	Leu	Ala	Val	Met	Ile	Ile	Ser	Arg	Ser	Asp	Lys	Tyr	Ile	
			180					185					190			
Asn	Glu	Leu	Val	Leu	Ile	Ser	Val	Ala	Ser	Phe	Asn	Ile	Ile	Phe	Ser	
		195					200					205				
Leu	Ile	Leu	Ile	Leu	Ile	Ser	Tyr	Met	Phe	Ile	Phe	Thr	Asn	Ile	Leu	

210		215		220
Lys Ile Asn Ser Ser Glu Gly Tyr Arg Lys Ala Leu Ser Thr Cys Thr				
225		230		235
Ser His Phe Thr Ala Val Phe Ile Tyr Tyr Gly Thr Val Ile Phe Met				240
	245		250	
Tyr Leu Gln Pro Thr Ser Ser His Ser Met Asp Thr Asp Lys Ile Val				255
	260		265	
Ser Val Phe Tyr Ser Ile Val Ile Pro Met Leu Asn Pro Leu Val Tyr				270
	275		280	
Ser Met Arg Asn Lys Glu Val Lys Asn Ala Phe Thr Lys Val Val Leu				285
	290		295	
Arg Ser Arg			300	
305				

<210> 1742

<211> 307

<212> PRT

<213> Mus musculus

<400> 1742

Met Glu Asn Arg Thr Glu Val Arg Cys Phe Ile Leu Val Gly Leu Thr				
1	5	10	15	
Asn Asp Pro Gly Leu Gln Leu Pro Leu Phe Ile Thr Phe Leu Leu Ile				
	20	25	30	
Tyr Ile Ile Thr Leu Ile Gly Asn Leu Gly Leu Ile Leu Leu Ile Leu				
	35	40	45	
Leu Asp Ser Arg Leu His Thr Pro Met Tyr Ile Phe Leu Gly Asn Leu				
	50	55	60	
Ser Leu Val Asp Phe Cys Tyr Ser Ser Thr Val Thr Pro Lys Val Ile				
65	70	75	80	
Ala Gly Phe Leu Met Gly Asp Lys Ile Met Ser Tyr Asn Ala Cys Ala				
	85	90	95	
Ser Gln Met Phe Phe Phe Ala Asn Phe Ala Asp Val Glu Asn Tyr Leu				
	100	105	110	
Leu Val Ser Met Ala Tyr Asp Arg Tyr Val Ala Val Cys Lys Pro Leu				
	115	120	125	
His Tyr Ala Thr Thr Met Thr Thr His Met Cys Val Cys Leu Leu Ile				
	130	135	140	
Gly Cys Tyr Ile Cys Gly Phe Leu Asn Ala Ser Ile Tyr Thr Val Asp				
145	150	155	160	
Ala Leu Ser Leu Ser Phe Cys Glu Ser Asn Val Val His His Phe Phe				
	165	170	175	
Cys Asp Val Leu Ala Val Met Ile Ile Ser Cys Ser Asp Arg His Val				
	180	185	190	
Asn Glu Leu Ile Phe Val Tyr Val Ala Ser Phe Asn Ile Phe Phe Ala				
	195	200	205	
Leu Ile Leu Ile Ile Ile Ser Tyr Thr Phe Ile Phe Thr Asn Ile Leu				
	210	215	220	
Lys Leu Gln Ser Ala Ala Gly Tyr Arg Lys Ala Phe Phe Thr Cys Ala				
225	230	235	240	
Ser His Phe Thr Ala Val Ser Ile Phe Tyr Gly Thr Ile Ile Phe Met				
	245	250	255	
Tyr Leu Gln Pro Ser Ser Ser His Ser Met Asp Thr Asp Lys Ile Ala				
	260	265	270	
Ser Val Phe Tyr Thr Met Val Ile Pro Met Leu Asn Pro Leu Val Tyr				
	275	280	285	
Ser Leu Arg Asn Lys Asp Val Lys Ser Ala Phe Thr Lys Ile Ile Leu				
	290	295	300	

Arg Ser Gly
305

<210> 1743
<211> 308
<212> PRT
<213> Mus musculus

<400> 1743
Met Met Glu Asn Gln Thr Glu Val Thr Glu Phe Ile Leu Leu Gly Leu
1 5 10 15
Thr Asp Asp Pro Glu Leu Gln Ile Pro Leu Phe Ile Thr Phe Leu Ala
20 25 30
Ile Tyr Thr Ile Thr Val Val Gly Asn Leu Gly Met Ile Leu Leu Ile
35 40 45
Leu Met Asp Ser Arg Leu His Thr Pro Met Tyr Phe Phe Leu Gly Asn
50 55 60
Leu Ser Leu Val Asp Phe Cys Tyr Ser Ser Ala Val Thr Pro Lys Val
65 70 75 80
Met Ser Gly Phe Leu Ile Gly Asp Lys Val Ile Ser Tyr Asn Asp Cys
85 90 95
Ala Ala Gln Met Phe Ile Phe Ala Ala Phe Ile Thr Val Glu Asn Tyr
100 105 110
Leu Leu Ala Ser Met Ala Tyr Asp Arg Tyr Ala Ala Val Cys Lys Pro
115 120 125
Leu His Tyr Thr Thr Thr Met Thr Thr Ser Val Cys Thr Trp Leu Ile
130 135 140
Ile Gly Ser Tyr Val Ile Gly Phe Met Asn Ala Ser Ile His Ile Gly
145 150 155 160
Asp Thr Phe His Leu Tyr Phe Cys Glu Ser Asn Val Val His His Phe
165 170 175
Phe Cys Asp Ile Pro Ala Val Met Val Leu Ser Cys Ser Asp Arg Tyr
180 185 190
Ala Ser Glu Leu Val Leu Val Tyr Ile Val Ser Phe His Ile Phe Phe
195 200 205
Ala Phe Ile Val Ile Trp Ile Ser Tyr Val Phe Ile Phe Val Thr Ile
210 215 220
Val Lys Met Gln Ser Ala Ala Gly His His Lys Ala Ile Ser Thr Cys
225 230 235 240
Ala Ser His Phe Thr Ala Val Ser Ile Phe Tyr Gly Thr Ser Ile Phe
245 250 255
Met Tyr Val Gln Pro Ser Ser Asn His Ser Met Asp Thr Asp Lys Ile
260 265 270
Ala Ser Val Phe Tyr Thr Met Val Ile Pro Met Leu Asn Pro Leu Val
275 280 285
Tyr Ser Leu Arg Asn Lys Glu Val Lys Ser Ala Leu Lys Lys Ile Ile
290 295 300
Leu Gln Thr Thr
305

<210> 1744
<211> 314
<212> PRT
<213> Mus musculus

<400> 1744
Met Glu Asn Ile Ser Glu Val Thr Glu Phe Ile Leu Val Gly Ile Thr

1				5					10					15			
Asp	Ala	Pro	Glu	Leu	Gln	Ile	Pro	Leu	Phe	Ile	Ile	Phe	Thr	Leu	Ile		
			20					25					30				
Tyr	Leu	Ile	Ala	Leu	Phe	Gly	Asn	Leu	Gly	Met	Ile	Met	Leu	Ile	Leu		
	35						40					45					
Leu	Asp	Ser	Arg	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Cys	Asn	Leu		
	50					55					60						
Ser	Leu	Val	Asp	Cys	Val	Tyr	Ala	Ser	Ala	Val	Thr	Pro	Lys	Val	Met		
65				70						75					80		
Glu	Gly	Phe	Leu	Thr	Gly	Asn	Lys	Ile	Ile	Ser	Tyr	Asn	Ala	Cys	Ala		
				85					90					95			
Ala	Gln	Met	Phe	Phe	Phe	Val	Ala	Phe	Ile	Ala	Ile	Glu	Ser	Leu	Ile		
			100					105					110				
Leu	Ala	Ser	Met	Ala	Tyr	Asp	Arg	His	Ala	Ala	Val	Cys	Asn	Pro	Leu		
			115				120					125					
His	Tyr	Thr	Thr	Ile	Met	Thr	Ser	Thr	Thr	Cys	Ile	Leu	Ile	Val	Thr		
	130					135					140						
Cys	Cys	Tyr	Met	Cys	Gly	Ile	Leu	Gln	Ser	Ser	Ile	His	Val	Ala	Leu		
145					150					155					160		
Ala	Phe	Cys	Leu	Ser	Phe	Cys	Asn	Ser	Asn	Val	Ile	Asn	His	Phe	Phe		
				165					170					175			
Cys	Asp	Ile	Pro	Pro	Leu	Leu	Asp	Ile	Ser	Cys	Ser	Asp	Thr	Tyr	Thr		
			180					185					190				
Asn	Glu	Ile	Thr	Val	Leu	Ile	Leu	Gly	Thr	Cys	Asp	Gly	Ile	Leu	Thr		
		195					200					205					
Leu	Leu	Val	Ile	Leu	Asn	Thr	Tyr	Leu	Leu	Ile	Phe	Ile	Ala	Ile	Leu		
	210					215					220						
Arg	Met	Arg	Ser	Val	Glu	Ala	Gln	Arg	Lys	Ala	Phe	Ser	Thr	Cys	Ala		
225					230					235					240		
Ser	His	Leu	Ile	Thr	Val	Ser	Ile	Phe	Phe	Gly	Ser	Thr	Leu	Phe	Met		
				245					250					255			
Tyr	Leu	Gln	Pro	Ser	Ser	Asn	His	Ser	Met	Asn	Thr	Asp	Lys	Ile	Ala		
			260					265					270				
Ser	Val	Phe	Tyr	Thr	Met	Val	Ile	Pro	Met	Leu	Asn	Pro	Val	Val	Tyr		
		275					280					285					
Ser	Leu	Arg	Asn	Lys	Glu	Val	Lys	Asn	Ala	Phe	Lys	Lys	Val	Val	Gly		
	290				295						300						
Lys	Leu	Met	Thr	Ser	Leu	Gln	Leu	Val	Asn								
305					310												

<210> 1745

<211> 307

<212> PRT

<213> Mus musculus

<400> 1745

Met	Glu	Asn	Arg	Thr	Glu	Val	Thr	Trp	Phe	Ile	Leu	Val	Gly	Leu	Thr		
1				5					10				15				
Asn	Asp	Ser	Gln	Leu	Gln	Leu	Pro	Leu	Phe	Ile	Thr	Phe	Leu	Leu	Ile		
			20					25				30					
Tyr	Thr	Val	Thr	Phe	Val	Gly	Asn	Leu	Gly	Leu	Ile	Leu	Leu	Ile	Leu		
		35					40				45						
Leu	Asp	Ser	Arg	Leu	His	Thr	Pro	Met	Tyr	Ile	Phe	Leu	Ser	Asn	Leu		
	50					55					60						
Ser	Leu	Val	Asp	Phe	Cys	Tyr	Ser	Ser	Thr	Ile	Thr	Pro	Lys	Val	Ile		
65					70					75					80		
Ala	Gly	Ile	Leu	Thr	Gly	Asp	Lys	Ile	Met	Ser	Tyr	Asn	Ala	Cys	Ala		
				85					90					95			

Ser	Gln	Met	Phe	Phe	Phe	Ala	Asn	Phe	Ala	Asn	Val	Glu	Asn	Tyr	Leu	
			100					105					110			
Leu	Val	Ser	Met	Ala	Tyr	Asp	Arg	Tyr	Ala	Ala	Val	Cys	Lys	Pro	Leu	
		115					120					125				
His	Tyr	Ala	Thr	Thr	Met	Thr	Lys	Arg	Val	Cys	Ala	Ser	Leu	Val	Ile	
	130					135					140					
Gly	Cys	Tyr	Ile	Cys	Gly	Leu	Leu	Asn	Ala	Ser	Ile	Tyr	Thr	Met	Asp	
145					150					155					160	
Ala	Leu	Ser	Leu	Ser	Phe	Cys	Glu	Ser	Asn	Val	Val	His	His	Phe	Phe	
				165					170					175		
Cys	Asp	Val	Leu	Ala	Ile	Met	Thr	Thr	Ser	Cys	Ser	Asp	Arg	His	Val	
		180						185					190			
Asn	Glu	Leu	Ile	Leu	Val	Tyr	Leu	Ala	Ser	Phe	Asn	Val	Phe	Phe	Ala	
		195					200					205				
Leu	Ile	Leu	Ile	Leu	Ile	Ser	Tyr	Met	Phe	Ile	Phe	Thr	Asn	Ile	Leu	
	210					215					220					
Lys	Met	His	Ser	Ala	Ser	Gly	Tyr	Cys	Lys	Ala	Ile	Ser	Thr	Cys	Ala	
225					230					235					240	
Ser	His	Leu	Thr	Ala	Val	Phe	Ile	Phe	Tyr	Gly	Thr	Ile	Ile	Phe	Met	
				245					250					255		
Tyr	Leu	Gln	Pro	Ser	Ser	His	His	Ser	Met	Asp	Thr	Asp	Lys	Ile	Ala	
		260						265					270			
Ser	Val	Phe	Tyr	Thr	Met	Ile	Ile	Pro	Met	Leu	Asn	Pro	Leu	Val	Tyr	
		275					280					285				
Ser	Leu	Arg	Asn	Lys	Asp	Val	Lys	Ser	Ala	Phe	Thr	Lys	Ile	Val	Leu	
	290					295					300					
Arg	Ser	Gly														
305																

<210> 1746

<211> 312

<212> PRT

<213> Mus musculus

<400> 1746

Met	Ile	Ala	Arg	Gly	Asn	Ser	Thr	Glu	Ile	Thr	Gln	Phe	Ile	Leu	Leu	
1				5					10					15		
Gly	Phe	Thr	Asp	Leu	Pro	Ile	Ile	Ile	Ile	Leu	Leu	Phe	Val	Thr	Phe	
			20					25					30			
Leu	Leu	Ile	Tyr	Ile	Thr	Thr	Leu	Thr	Trp	Asn	Leu	Ser	Leu	Ile	Val	
		35					40					45				
Leu	Ile	Arg	Met	Asp	Ser	His	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu	
	50					55					60					
Cys	Asn	Leu	Ser	Ile	Ile	Asp	Leu	Cys	Tyr	Val	Thr	Ser	Thr	Val	Pro	
65				70						75					80	
Lys	Met	Leu	Ser	Asn	Phe	Phe	Gln	Glu	Arg	Gln	Thr	Asn	Ser	Phe	Val	
				85					90					95		
Gly	Cys	Ile	Val	Gln	Asn	Phe	Ile	Phe	Ser	Thr	Met	Gly	Leu	Ser	Glu	
			100					105					110			
Ser	Cys	Leu	Met	Ala	Ala	Met	Ala	Tyr	Asp	Arg	Tyr	Ala	Ala	Ile	Cys	
		115					120					125				
Asn	Pro	Leu	Leu	Tyr	Ala	Ser	Ile	Met	Ser	Pro	Thr	Leu	Cys	Val	Leu	
	130					135					140					
Met	Val	Leu	Ala	Ser	Tyr	Leu	Ser	Gly	Leu	Thr	Ala	Ser	Leu	Leu	Gln	
145					150					155					160	
Leu	Phe	Ala	Leu	Leu	Arg	Leu	His	Phe	Cys	Gly	Thr	Asn	Val	Ile	Lys	
				165					170					175		
His	Phe	Phe	Cys	Asp	Met	Pro	Gln	Leu	Leu	Val	Leu	Ser	Cys	Thr	Asp	

Thr	Phe	Phe	Val	Gln	Val	Leu	Thr	Ala	Ile	Leu	Thr	Met	Ile	Phe	Gly
		180						185					190		
		195						200				205			
Phe	Val	Asn	Met	Leu	Val	Ile	Met	Ile	Ser	Tyr	Val	Tyr	Ile	Val	Leu
	210					215					220				
Ser	Ile	Leu	Lys	Ile	Thr	Ser	Ala	Lys	Gly	Arg	Ser	Lys	Ala	Phe	Asn
225					230					235					240
Thr	Cys	Ala	Ser	His	Leu	Thr	Ala	Val	Ser	Leu	Phe	Tyr	Thr	Ser	Ser
				245					250					255	
Ile	Phe	Val	Tyr	Leu	Ser	Ser	Ser	Ser	Gly	Gly	Ser	Ser	Ser	Phe	Asp
		260						265					270		
Arg	Phe	Val	Ser	Val	Phe	Tyr	Thr	Val	Val	Ile	Pro	Met	Leu	Asn	Pro
	275						280					285			
Leu	Ile	Tyr	Ser	Leu	Lys	Asn	Arg	Glu	Ile	Lys	Asp	Ala	Met	Lys	Arg
	290					295					300				
Leu	Gln	Lys	Lys	Thr	Ile	Cys	Asn								
305					310										

<210> 1747

<211> 315

<212> PRT

<213> Mus musculus

<400> 1747

Met	Glu	Ala	Met	Ile	Lys	Gly	Lys	Asn	Ile	Thr	Glu	Ile	Thr	Glu	Phe
1				5				10						15	
Ile	Leu	Leu	Gly	Phe	Ser	Asp	Phe	Pro	Gln	Ile	Thr	Ala	Leu	Leu	Phe
		20					25						30		
Val	Ile	Phe	Leu	Thr	Leu	Tyr	Ile	Thr	Ala	Leu	Thr	Trp	Asn	Leu	Ser
	35					40						45			
Leu	Val	Val	Leu	Ile	Arg	Met	Asp	Ser	Tyr	Leu	His	Thr	Pro	Met	Tyr
	50					55					60				
Phe	Phe	Leu	Ser	Asn	Leu	Ser	Phe	Ile	Asp	Ile	Cys	Tyr	Ile	Ser	Ser
65				70					75					80	
Thr	Val	Pro	Lys	Met	Leu	Phe	Asn	Phe	Phe	Gln	Lys	Arg	Gln	Thr	Ile
			85					90					95		
Ser	Phe	Val	Gly	Cys	Ile	Val	Gln	Tyr	Phe	Met	Phe	Ser	Thr	Met	Gly
		100					105						110		
Leu	Ser	Glu	Ser	Cys	Leu	Met	Thr	Ala	Met	Ala	Tyr	Asp	Arg	Tyr	Ala
		115					120					125			
Ala	Ile	Cys	Asn	Pro	Leu	Leu	Tyr	Ser	Ser	Val	Met	Ser	Pro	Thr	Leu
	130					135					140				
Cys	Ala	Arg	Met	Val	Met	Gly	Ser	Tyr	Thr	Ala	Gly	Phe	Ile	Gly	Ser
145				150						155				160	
Val	Ser	Gln	Val	Phe	Ala	Met	Leu	Gln	Leu	His	Phe	Cys	Gly	Pro	Asn
			165					170						175	
Val	Ile	Arg	His	Phe	Phe	Cys	Asp	Ile	Pro	Gln	Leu	Leu	Asn	Leu	Ser
		180						185					190		
Cys	Thr	Asp	Thr	Phe	Phe	Ala	His	Val	Glu	Leu	Leu	Ile	Leu	Thr	Met
		195					200					205			
Leu	Phe	Cys	Ile	Ser	Asn	Ala	Leu	Val	Ile	Ile	Ile	Ser	Tyr	Gly	Tyr
	210					215					220				
Ile	Val	Leu	Ser	Ile	Leu	Lys	Ile	Thr	Ser	Ala	Lys	Gly	Arg	Ser	Lys
225					230					235					240
Ala	Phe	Asn	Thr	Cys	Ala	Ser	His	Leu	Thr	Ala	Val	Ser	Leu	Phe	Tyr
			245					250						255	
Thr	Ser	Thr	Ala	Phe	Val	Tyr	Phe	Ser	Ser	Ser	Ser	Gly	Gly	Ser	Ser
			260					265					270		

Ser	Phe	Asp	Arg	Phe	Val	Ser	Val	Phe	Tyr	Thr	Val	Leu	Ile	Pro	Met
		275					280					285			
Leu	Asn	Pro	Leu	Val	Tyr	Ser	Leu	Arg	Asn	Lys	Glu	Ile	Lys	Asp	Ala
	290					295					300				
Gly	Lys	Arg	Leu	Gln	Lys	Lys	Leu	Gly	Cys	Cys					
305					310					315					

<210> 1748
 <211> 312
 <212> PRT
 <213> Mus musculus

<400> 1748

Met	Ile	Gly	Glu	Arg	Asn	Ile	Thr	Lys	Ile	Thr	Gln	Phe	Ile	Leu	Leu
1				5					10					15	
Gly	Phe	Ser	Asp	Phe	Pro	Arg	Ile	Thr	Val	Pro	Leu	Phe	Val	Met	Phe
			20					25					30		
Leu	Met	Ile	Tyr	Thr	Leu	Ala	Val	Thr	Trp	Asn	Phe	Ser	Leu	Ile	Ala
	35						40					45			
Leu	Ile	Arg	Leu	Asp	Ser	His	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu
	50					55					60				
Ser	Asn	Leu	Ser	Ile	Ile	Asp	Ile	Cys	Tyr	Ile	Thr	Ser	Thr	Ala	Pro
65					70					75					80
Lys	Met	Leu	Ser	Asn	Phe	Phe	Gln	Glu	Lys	Gln	Thr	Ile	Ser	Phe	Val
				85					90					95	
Gly	Cys	Ile	Val	Gln	Tyr	Phe	Ile	Leu	Ser	Thr	Met	Gly	Leu	Thr	Glu
			100					105					110		
Ser	Cys	Leu	Met	Thr	Ala	Met	Ala	Tyr	Asp	Arg	Tyr	Ala	Ala	Ile	Cys
	115						120					125			
Asn	Pro	Leu	Leu	Tyr	Ser	Ser	Val	Met	Ser	Pro	Thr	Leu	Cys	Ala	Gln
	130					135					140				
Met	Val	Met	Gly	Ser	Tyr	Thr	Ala	Gly	Leu	Thr	Gly	Ser	Val	Ser	Gln
145					150					155					160
Ile	Cys	Ala	Leu	Leu	Gln	Leu	Tyr	Phe	Cys	Gly	Pro	Asn	Val	Ile	Arg
				165					170					175	
His	Phe	Phe	Cys	Asp	Ile	Ser	Gln	Leu	Leu	Asn	Leu	Ser	Cys	Ser	Asp
			180					185					190		
Ala	Phe	Phe	Val	Gln	Val	Leu	Leu	Ala	Ile	Leu	Thr	Met	Cys	Phe	Gly
		195					200					205			
Ile	Ala	Asn	Ala	Leu	Ala	Thr	Met	Leu	Ser	Tyr	Gly	Phe	Ile	Val	Leu
	210					215					220				
Ser	Ile	Leu	Lys	Ile	Thr	Ser	Ala	Lys	Gly	Arg	Ser	Lys	Ala	Phe	Asn
225					230					235					240
Thr	Cys	Ala	Ser	His	Leu	Thr	Ala	Val	Ser	Leu	Phe	Tyr	Ser	Thr	Ala
				245					250					255	
Ile	Phe	Val	Tyr	Leu	Arg	Ser	Ser	Ser	Gly	Gly	Ser	Ser	Ser	Phe	Asp
			260					265					270		
Arg	Phe	Ala	Ser	Val	Phe	Tyr	Thr	Val	Val	Ile	Pro	Met	Leu	Asn	Pro
		275					280					285			
Leu	Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Glu	Ile	Lys	Asp	Ala	Met	Lys	Arg
	290					295					300				
Leu	Gln	Lys	Lys	Lys	Ile	Cys	Ser								
305					310										

<210> 1749
 <211> 312
 <212> PRT

<213> Mus musculus

<400> 1749

Met	Ile	Gly	Gly	Arg	Asn	Ile	Thr	Lys	Ile	Thr	Gln	Phe	Ile	Leu	Leu
1				5					10					15	
Gly	Phe	Ser	Asp	Phe	Pro	Gln	Ile	Thr	Ala	Leu	Leu	Phe	Val	Met	Phe
			20					25					30		
Leu	Thr	Leu	Tyr	Ile	Thr	Ala	Leu	Thr	Trp	Asn	Leu	Ser	Leu	Val	Val
		35					40					45			
Leu	Ile	Arg	Met	Asp	Ser	Tyr	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu
	50					55					60				
Ser	Asn	Leu	Ser	Phe	Ile	Asp	Phe	Cys	Tyr	Ile	Ser	Ser	Thr	Val	Pro
65					70					75					80
Lys	Met	Leu	Ser	Asn	Leu	Phe	Gln	Glu	Lys	Gln	Thr	Ile	Ser	Phe	Val
				85					90					95	
Gly	Cys	Ile	Val	Gln	Tyr	Phe	Ile	Phe	Ser	Thr	Met	Gly	Leu	Ser	Glu
			100					105					110		
Ser	Cys	Leu	Met	Thr	Ala	Met	Ala	Tyr	Asp	Arg	Tyr	Ala	Ala	Ile	Cys
			115				120					125			
Asn	Pro	Leu	Leu	Tyr	Ser	Ser	Val	Met	Ser	Pro	Thr	Leu	Cys	Ala	Arg
	130					135					140				
Met	Val	Met	Gly	Ser	Tyr	Thr	Ala	Gly	Leu	Val	Ser	Ser	Leu	Ser	Gln
145					150					155					160
Ile	Cys	Val	Leu	Leu	Gln	Leu	His	Phe	Cys	Gly	Pro	Asn	Val	Ile	Arg
				165					170					175	
His	Phe	Phe	Cys	Asp	Met	Pro	Gln	Leu	Leu	Asn	Leu	Ser	Ser	Asn	Asp
			180					185					190		
Thr	Phe	Phe	Ala	His	Val	Leu	Leu	Val	Ile	Leu	Thr	Met	Phe	Phe	Gly
		195					200					205			
Leu	Ile	Asn	Ala	Leu	Ala	Ile	Met	Val	Ser	Tyr	Gly	Tyr	Ile	Ala	Ser
	210					215					220				
Ser	Ile	Met	Lys	Ile	Thr	Ser	Val	Asn	Gly	Arg	Ser	Lys	Ala	Phe	Asn
225					230				235						240
Thr	Cys	Ala	Ser	His	Leu	Thr	Ala	Val	Ser	Leu	Phe	Tyr	Ser	Ser	Gly
				245					250					255	
Ile	Phe	Val	Tyr	Leu	Ser	Ser	Ser	Ser	Gly	Gly	Ser	Ser	Ser	Phe	Asp
			260				265						270		
Arg	Phe	Ala	Ser	Val	Phe	Tyr	Ser	Val	Val	Ile	Pro	Met	Leu	Asn	Pro
		275					280					285			
Leu	Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Glu	Ile	Lys	Asp	Ala	Met	Asn	Arg
	290					295					300				
Leu	Gln	Lys	Lys	Val	Ile	Cys	Ser								
305					310										

<210> 1750

<211> 315

<212> PRT

<213> Mus musculus

<400> 1750

Met	Pro	Gly	Gly	Arg	Asn	Ser	Thr	Val	Ile	Thr	Lys	Phe	Ile	Leu	Val
1				5					10					15	
Gly	Phe	Ser	Asp	Phe	Pro	Lys	Leu	Lys	Leu	Val	Leu	Phe	Val	Ile	Phe
			20					25					30		
Leu	Gly	Ser	Tyr	Leu	Ser	Thr	Val	Val	Trp	Asn	Leu	Gly	Leu	Ile	Ile
		35					40					45			
Leu	Ile	Arg	Ile	Asp	Pro	Tyr	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu
	50					55					60				

Ser	Asn	Leu	Ser	Phe	Leu	Asp	Phe	Cys	Tyr	Ile	Ser	Ser	Thr	Thr	Pro
65					70					75					80
Lys	Met	Leu	Ser	Gly	Phe	Phe	Gln	Lys	Ser	Lys	Ser	Ile	Ser	Phe	Val
				85					90					95	
Gly	Cys	Thr	Met	Gln	Tyr	Phe	Ile	Phe	Ser	Ser	Leu	Gly	Leu	Ser	Glu
			100					105					110		
Cys	Cys	Leu	Leu	Ala	Ala	Met	Ala	Tyr	Asp	Arg	Tyr	Ala	Ala	Ile	Cys
		115					120					125			
Asn	Pro	Leu	Leu	Tyr	Thr	Ala	Ile	Met	Ser	Pro	Ser	Leu	Cys	Val	His
	130					135					140				
Met	Val	Val	Gly	Ala	Tyr	Ser	Thr	Gly	Leu	Leu	Gly	Ser	Leu	Ile	Gln
145					150					155					160
Leu	Cys	Ala	Ile	Leu	Gln	Leu	His	Phe	Cys	Gly	Pro	Asn	Ile	Ile	Asn
				165					170					175	
His	Phe	Phe	Cys	Asp	Leu	Pro	Gln	Leu	Leu	Val	Leu	Ser	Cys	Ser	Glu
			180					185					190		
Thr	Phe	Pro	Leu	Gln	Val	Leu	Lys	Phe	Val	Ile	Ala	Val	Ile	Phe	Gly
		195					200					205			
Val	Ala	Ser	Val	Ile	Val	Ile	Leu	Ile	Ser	Tyr	Gly	Tyr	Ile	Ile	Gly
	210					215					220				
Thr	Ile	Leu	Asn	Ile	Ser	Ser	Val	Glu	Gly	Arg	Ser	Lys	Ala	Phe	Asn
225					230					235					240
Thr	Cys	Ala	Ser	His	Leu	Thr	Ala	Val	Thr	Leu	Phe	Phe	Gly	Ser	Gly
				245					250					255	
Leu	Phe	Val	Tyr	Met	Arg	Pro	Ser	Ser	Asn	Ser	Ser	Gln	Gly	Tyr	Asp
			260					265					270		
Lys	Met	Ala	Ser	Val	Phe	Tyr	Thr	Val	Val	Ile	Pro	Met	Leu	Asn	Pro
		275					280					285			
Leu	Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Glu	Ile	Lys	Asp	Ala	Leu	Gln	Arg
	290					295					300				
Cys	Lys	Asn	Lys	Cys	Phe	Ser	Gln	Cys	His	Cys					
305					310					315					

<210> 1751

<211> 318

<212> PRT

<213> Mus musculus

<400> 1751

Met	Ala	Val	Gly	Arg	Asn	Ile	Ser	Val	Val	Thr	Asn	Phe	Ile	Leu	Leu
1				5					10					15	
Gly	Phe	Leu	Glu	Arg	Pro	Gln	Leu	Gln	Ile	Val	Leu	Phe	Val	Leu	Phe
			20					25					30		
Leu	Gly	Ile	Tyr	Leu	Val	Thr	Leu	Ala	Gly	Asn	Leu	Gly	Leu	Ile	Val
		35					40					45			
Leu	Ile	Arg	Met	Asp	Ser	His	Leu	His	Ser	Pro	Met	Tyr	Phe	Phe	Leu
	50					55					60				
Ser	Asn	Leu	Ser	Phe	Val	Asp	Val	Ser	Tyr	Thr	Ser	Ser	Ile	Ala	Pro
65					70					75					80
Lys	Met	Leu	Cys	Asp	Phe	Phe	Arg	Glu	Gln	Lys	Ser	Ile	Thr	Phe	Ile
				85					90					95	
Gly	Cys	Ala	Ile	Gln	Leu	Phe	Phe	Phe	Val	Gly	Met	Gly	Gly	Thr	Glu
			100					105					110		
Cys	Cys	Leu	Leu	Ala	Ala	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Ser
		115					120					125			
Asn	Pro	Leu	Leu	Tyr	Pro	Ser	Leu	Met	Ser	Pro	Thr	Ile	Cys	Val	Gly
	130					135					140				
Met	Ala	Ile	Thr	Val	Tyr	Thr	Gly	Gly	Phe	Leu	Thr	Gly	Leu	Ile	Gln

145					150					155				160
Thr	Ser	Ser	Ile	Phe	Arg	Leu	His	Phe	Cys	Gly	Pro	Arg	Val	Ile
				165					170					175
His	Phe	Phe	Cys	Asp	Leu	Pro	Pro	Leu	Met	Ser	Leu	Ser	Cys	Ser
			180					185					190	
Thr	Phe	Phe	Ser	Gln	Val	Val	Asn	Phe	Leu	Val	Val	Cys	Val	Gly
		195					200					205		
Gly	Ala	Ser	Ala	Leu	Val	Val	Leu	Val	Ser	Tyr	Gly	Tyr	Ile	Ile
	210					215					220			Ala
Ala	Val	Met	Arg	Ile	His	Ser	Thr	His	Gly	Gln	Met	Lys	Ala	Phe
225					230				235					Asn
Thr	Cys	Ala	Ser	Tyr	Leu	Thr	Thr	Val	Ile	Leu	Phe	Tyr	Gly	Ser
				245					250					255
Leu	Phe	Ser	Tyr	Leu	His	Ser	Asn	Ala	Gly	Tyr	Ser	Gln	Asp	Lys
			260					265					270	Asn
Lys	Val	Val	Ser	Met	Phe	Tyr	Gly	Ala	Val	Ile	Pro	Met	Leu	Asn
		275					280					285		Pro
Ile	Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Glu	Ile	Lys	Glu	Ala	Leu	Lys
	290					295					300			Lys
Leu	Lys	Lys	Arg	Lys	Lys	Gln	Met	Ser	Cys	Leu	Cys	Ala	Met	
305					310					315				

<210> 1752

<211> 317

<212> PRT

<213> Mus musculus

<400> 1752

Met	Ala	Leu	Thr	Asn	Thr	Trp	Asn	Ser	Ser	Ser	Val	Thr	Met	Phe	Ile
1				5				10						15	
Phe	Leu	Gly	Phe	Ser	Asp	His	Pro	Glu	Leu	Arg	Ile	Phe	Leu	Phe	Leu
			20					25					30		
Thr	Phe	Leu	Ser	Ile	Tyr	Leu	Val	Thr	Leu	Thr	Trp	Asn	Leu	Ala	Leu
		35					40					45			
Ile	Phe	Leu	Ile	Arg	Gly	Asp	Ile	His	Leu	His	Thr	Pro	Met	Tyr	Phe
	50				55						60				
Phe	Leu	Ser	Asn	Leu	Ser	Phe	Val	Asp	Ile	Cys	Tyr	Ser	Ser	Ser	Val
65				70						75					80
Ala	Pro	Lys	Met	Leu	Ser	Asp	Phe	Phe	Arg	Glu	Gln	Lys	Thr	Ile	Ser
			85					90						95	
Phe	Leu	Gly	Cys	Gly	Ala	Gln	Phe	Phe	Phe	Phe	Val	Gly	Leu	Gly	Leu
		100						105					110		
Thr	Glu	Cys	Phe	Leu	Leu	Thr	Ala	Met	Ala	Tyr	Asp	Arg	Tyr	Ala	Ala
	115					120					125				
Ile	Ser	Asn	Pro	Leu	Leu	Tyr	Thr	Thr	Ile	Met	Pro	Gln	Gly	Leu	Cys
	130					135					140				
Met	Arg	Met	Val	Ala	Gly	Ala	Tyr	Leu	Gly	Gly	Phe	Leu	Ser	Ser	Phe
145				150					155						160
Ile	Gln	Ala	Ser	Ser	Ile	Phe	Gln	Leu	His	Phe	Cys	Gly	Pro	Asn	Val
				165					170					175	
Ile	Asn	His	Phe	Phe	Cys	Asp	Leu	Pro	Pro	Ile	Leu	Ala	Leu	Ser	Cys
		180						185					190		
Ser	Asn	Thr	Phe	Leu	Ser	Gln	Val	Val	Asn	Phe	Leu	Ile	Val	Ile	Thr
		195					200					205			
Val	Gly	Gly	Thr	Ser	Phe	Leu	Ile	Leu	Leu	Ile	Ser	Tyr	Ser	Tyr	Ile
	210					215					220				
Val	Ser	Ala	Val	Leu	Lys	Ile	His	Ser	Val	Arg	Gly	Arg	Trp	Lys	Ala
225					230					235					240

<210> 1754
 <211> 310
 <212> PRT
 <213> Mus musculus

<400> 1754
 Met Glu Leu Arg Asn Asp Thr Arg Val Lys Glu Phe Ile Phe Leu Gly
 1 5 10 15
 Leu Thr Gln Ser Gln His Leu Ser Leu Val Leu Cys Leu Val Leu Cys
 20 25 30
 Phe Val Tyr Val Thr Thr Leu Leu Gly Asn Leu Leu Ile Met Ile Ile
 35 40 45
 Val Thr Phe Glu Ser Arg Leu His Thr Pro Met Tyr Phe Leu Leu Arg
 50 55 60
 Asn Leu Ala Val Leu Asp Ile Cys Phe Ser Ser Ile Thr Ala Pro Lys
 65 70 75 80
 Val Leu Val Asp Leu Leu Ala Lys Lys Lys Thr Ile Ser Tyr Ala Lys
 85 90 95
 Cys Met Thr Gln Met Phe Phe Phe His Leu Leu Gly Gly Ala Asp Ile
 100 105 110
 Phe Ser Leu Ser Val Met Ala Phe Asp Arg Tyr Met Ala Ile Ser Lys
 115 120 125
 Pro Leu His Tyr Val Thr Ile Met Ser Ser Lys Arg Cys Thr Ala Leu
 130 135 140
 Ile Ala Ala Ser Trp Val Gly Gly Phe Val His Ser Ile Val Gln Ile
 145 150 155 160
 Ser Leu Leu Leu Pro Leu Pro Phe Cys Gly Pro Asn Val Leu Asp Thr
 165 170 175
 Phe Tyr Cys Asp Val Pro Gln Val Leu Lys Leu Ala Cys Thr Asp Thr
 180 185 190
 Phe Val Leu Glu Leu Leu Met Ile Ser Asn Asn Gly Leu Val Thr Thr
 195 200 205
 Leu Trp Phe Ile Phe Leu Leu Val Ser Tyr Met Val Ile Leu Met Met
 210 215 220
 Leu Arg Ser Gln Ala Gly Glu Asp Arg Arg Lys Ala Ile Ser Thr Cys
 225 230 235 240
 Thr Ser His Ile Thr Val Val Thr Leu His Phe Val Pro Cys Ile Tyr
 245 250 255
 Val Tyr Ala Arg Pro Phe Thr Ala Leu Pro Thr Asp Lys Ala Ile Ser
 260 265 270
 Val Thr Phe Thr Val Ile Ser Pro Leu Leu Asn Pro Leu Ile Tyr Thr
 275 280 285
 Leu Arg Asn Gln Glu Met Lys Ser Ala Ile Arg Arg Leu Lys Arg Lys
 290 295 300
 Leu Thr Pro Leu Glu Lys
 305 310

<210> 1755
 <211> 311
 <212> PRT
 <213> Mus musculus

<400> 1755
 Met Glu Leu Gly Asn His Thr Lys Val Thr Glu Phe Ile Phe Cys Gly
 1 5 10 15
 Leu Thr Gln Ser Gln Glu Leu Ser Leu Leu Leu Phe Phe Phe Leu Ser
 20 25 30

Ile	Val	Tyr	Ile	Thr	Thr	Val	Leu	Val	Asn	Val	Thr	Ile	Met	Val	Thr
		35					40					45			
Val	Thr	Trp	Glu	Ser	Arg	Leu	His	Thr	Pro	Met	Tyr	Phe	Leu	Leu	Arg
		50				55					60				
Asn	Leu	Ser	Val	Leu	Asp	Ile	Cys	Phe	Ser	Ser	Ile	Thr	Val	Pro	Lys
65					70					75					80
Val	Leu	Val	Asp	Leu	Leu	Ser	Arg	Arg	Lys	Thr	Ile	Ser	Phe	Asn	Gly
				85					90					95	
Cys	Phe	Thr	Gln	Ile	Phe	Phe	Phe	His	Leu	Leu	Gly	Gly	Ala	Asp	Ile
			100					105					110		
Phe	Ser	Leu	Ser	Val	Met	Ala	Phe	Asp	Arg	Tyr	Met	Ala	Ile	Phe	Arg
		115					120					125			
Pro	Leu	His	Tyr	Val	Thr	Ile	Met	Ser	Arg	Gly	Arg	Cys	Thr	Ala	Leu
		130				135					140				
Ile	Ala	Ala	Ser	Trp	Val	Gly	Gly	Phe	Val	His	Ser	Ile	Val	Gln	Ile
145					150					155					160
Phe	Leu	Leu	Leu	Pro	Leu	Pro	Phe	Cys	Gly	Pro	Asn	Val	Val	Asp	Ser
				165					170					175	
Phe	Tyr	Cys	Asp	Val	Pro	Gln	Val	Leu	Lys	Leu	Ala	Cys	Thr	Asp	Thr
			180					185					190		
Phe	Val	Leu	Glu	Leu	Leu	Met	Ile	Ser	Asn	Asn	Gly	Leu	Ile	Thr	Thr
		195					200					205			
Leu	Trp	Phe	Val	Leu	Leu	Leu	Val	Ser	Tyr	Thr	Val	Ile	Leu	Thr	Met
		210				215					220				
Leu	Arg	Ser	His	Thr	Gly	Glu	Gly	Arg	Lys	Lys	Ala	Ile	Ser	Thr	Cys
225					230					235					240
Thr	Ser	His	Ile	Thr	Val	Val	Thr	Leu	His	Phe	Val	Pro	Cys	Ile	Tyr
				245					250					255	
Val	Tyr	Ala	Arg	Pro	Phe	Thr	Ala	Leu	Pro	Met	Asp	Arg	Ala	Val	Ser
			260					265					270		
Ile	Thr	Leu	Asn	Ile	Ile	Val	Pro	Val	Leu	Asn	Pro	Met	Ile	Tyr	Thr
		275					280					285			
Leu	Arg	Asn	Gln	Glu	Met	Lys	Ser	Ala	Met	Lys	Arg	Leu	Arg	Lys	Arg
		290				295					300				
Leu	Ile	Leu	Ser	Glu	Val	Glu									
305					310										

<210> 1756

<211> 314

<212> PRT

<213> Mus musculus

<400> 1756

Met	Ser	Gln	Ile	Asn	His	Thr	Asn	Val	Lys	Glu	Phe	Val	Phe	Leu	Ala
1				5					10					15	
Leu	Thr	Arg	Ile	Arg	Glu	Leu	Glu	Phe	Phe	Leu	Phe	Ser	Val	Phe	Phe
			20					25					30		
Leu	Val	Tyr	Val	Thr	Thr	Val	Leu	Gly	Asn	Thr	Leu	Ile	Val	Val	Thr
		35					40					45			
Ile	Thr	Ala	Glu	Ser	Arg	Leu	His	Thr	Pro	Met	Tyr	Phe	Leu	Leu	Arg
		50				55					60				
Asn	Lys	Ser	Ile	Leu	Asp	Ile	Val	Phe	Ser	Ser	Ile	Thr	Val	Pro	Lys
65					70					75					80
Phe	Leu	Val	Asp	Leu	Leu	Ser	Glu	Arg	Lys	Ala	Ile	Ser	Tyr	Asn	Gly
				85					90					95	
Cys	Leu	Thr	Gln	Ile	Phe	Phe	Phe	His	Phe	Ala	Gly	Gly	Ala	Asp	Ile
			100					105					110		
Phe	Phe	Leu	Ser	Val	Met	Ala	Tyr	Asp	Arg	Tyr	Leu	Ala	Ile	Ala	Lys

Pro	Leu	His	Tyr	Val	Thr	Ile	Met	Arg	Arg	Glu	Val	Trp	Leu	Ala	Leu
130							135				140				
Val	Val	Ala	Ser	Trp	Val	Gly	Gly	Gly	Leu	His	Ser	Ile	Val	Gln	Ile
145					150					155					160
Ile	Leu	Met	Leu	Pro	Leu	Pro	Phe	Cys	Gly	Pro	Asn	Thr	Leu	Asp	Ala
				165					170					175	
Phe	Tyr	Cys	Asp	Ile	Pro	Gln	Val	Val	Lys	Leu	Ala	Cys	Thr	Asp	Thr
			180					185					190		
Phe	Ala	Leu	Glu	Leu	Leu	Met	Ile	Ser	Asn	Asn	Gly	Leu	Val	Thr	Leu
			195				200				205				
Leu	Trp	Phe	Phe	Leu	Leu	Leu	Gly	Ser	Tyr	Thr	Ile	Ile	Leu	Val	Met
210						215					220				
Leu	Arg	Ser	His	Ser	Gly	Glu	Gly	Arg	Asn	Lys	Ala	Leu	Ser	Thr	Cys
225					230					235					240
Thr	Ser	His	Ile	Met	Val	Val	Thr	Leu	His	Phe	Val	Pro	Cys	Val	Tyr
				245					250					255	
Ile	Tyr	Cys	Arg	Pro	Phe	Thr	Thr	Leu	Pro	Met	Asp	Thr	Ala	Ile	Ser
			260					265					270		
Ile	Asn	Asn	Thr	Val	Ile	Thr	Pro	Met	Leu	Asn	Pro	Met	Ile	Tyr	Thr
			275				280					285			
Leu	Arg	Asn	Gln	Glu	Met	Lys	Ser	Ala	Met	Lys	Arg	Leu	Gln	Arg	Arg
290						295					300				
Leu	Gly	Pro	Ser	Glu	Ser	Asn	Lys	Leu	Gly						
305					310										

<210> 1757

<211> 320

<212> PRT

<213> Mus musculus

<400> 1757

Met	Gly	Asp	Arg	Glu	Thr	Ser	Asn	His	Ser	Asp	Met	Thr	Asp	Phe	Ile
1				5					10					15	
Leu	Val	Gly	Phe	Arg	Val	Ser	Pro	Glu	Leu	His	Ile	Leu	Leu	Phe	Leu
			20					25					30		
Leu	Phe	Leu	Leu	Val	Tyr	Ala	Met	Ile	Leu	Leu	Gly	Asn	Leu	Gly	Met
		35					40					45			
Met	Ala	Ile	Ile	Met	Thr	Asp	Pro	Arg	Leu	Asn	Thr	Pro	Met	Tyr	Phe
50						55					60				
Phe	Leu	Gly	Asn	Leu	Ser	Phe	Ile	Asp	Leu	Phe	Tyr	Ser	Ser	Val	Ile
65				70						75				80	
Ala	Pro	Lys	Ala	Met	Ser	Asn	Phe	Trp	Thr	Glu	Ser	Lys	Ser	Ile	Ser
			85					90						95	
Phe	Ala	Gly	Cys	Val	Ala	Gln	Ile	Phe	Leu	Phe	Ala	Leu	Phe	Ile	Val
			100					105					110		
Ala	Glu	Gly	Phe	Leu	Leu	Ala	Ala	Met	Ala	Tyr	Asp	Arg	Phe	Ile	Ala
		115					120					125			
Ile	Cys	Asn	Pro	Leu	Leu	Tyr	Ser	Val	His	Met	Ser	Thr	Arg	Leu	Cys
130						135					140				
Thr	Gln	Leu	Val	Ala	Gly	Ser	Tyr	Phe	Cys	Gly	Cys	Ile	Ser	Ser	Val
145					150					155					160
Leu	Gln	Thr	Ser	Met	Thr	Phe	Thr	Leu	Ser	Phe	Cys	Ala	Ser	Arg	Ala
				165					170					175	
Ile	Asp	His	Phe	Tyr	Cys	Asp	Ser	Arg	Pro	Leu	Gln	Arg	Leu	Ser	Cys
			180					185					190		
Ser	Asp	Ile	Phe	Ile	His	Lys	Ile	Val	Ser	Phe	Ser	Leu	Ser	Gly	Ile
		195					200					205			

Ile	Ile	Leu	Pro	Thr	Ile	Thr	Val	Ile	Ile	Val	Ser	Tyr	Met	Tyr	Ile
210						215					220				
Val	Ser	Thr	Val	Leu	Lys	Ile	Arg	Ser	Val	Glu	Gly	Arg	Lys	Lys	Ala
225					230					235					240
Phe	Ser	Thr	Cys	Ser	Ser	His	Leu	Gly	Val	Val	Ser	Val	Leu	Tyr	Gly
				245					250					255	
Ala	Val	Phe	Phe	Met	Tyr	Leu	Thr	Pro	Asp	Arg	Phe	Pro	Glu	Leu	Ser
			260					265					270		
Lys	Leu	Ala	Ser	Leu	Cys	Tyr	Ser	Leu	Val	Thr	Pro	Met	Leu	Asn	Pro
		275					280					285			
Leu	Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Val	Arg	Asp	Ala	Leu	Ser	Lys
	290					295					300				
Leu	Leu	Glu	Lys	Lys	Lys	Cys	Ser	Gly	Ser	Phe	Phe	Pro	Phe	Tyr	Lys
305					310					315					320

<210> 1758

<211> 313

<212> PRT

<213> Mus musculus

<400> 1758

Met	Gly	Asp	Arg	Glu	Thr	Ser	Asn	His	Ser	Asp	Met	Thr	Asp	Phe	Ile
1				5					10					15	
Leu	Val	Gly	Phe	Arg	Val	Ser	Pro	Glu	Leu	His	Ile	Leu	Leu	Phe	Leu
			20					25					30		
Leu	Phe	Leu	Leu	Val	Tyr	Ala	Met	Ile	Leu	Leu	Gly	Asn	Leu	Gly	Met
		35					40					45			
Met	Ala	Ile	Ile	Met	Thr	Asp	Pro	Arg	Leu	Asn	Thr	Pro	Met	Tyr	Phe
	50					55					60				
Phe	Leu	Gly	Asn	Leu	Ser	Phe	Ile	Asp	Leu	Phe	Tyr	Ser	Ser	Val	Ile
65					70					75					80
Ala	Pro	Lys	Ala	Met	Ser	Asn	Phe	Trp	Thr	Glu	Ser	Lys	Ser	Ile	Ser
				85					90					95	
Phe	Ala	Gly	Cys	Val	Ala	Gln	Leu	Phe	Leu	Phe	Ala	Leu	Phe	Ile	Val
			100					105					110		
Ala	Glu	Gly	Phe	Leu	Leu	Ala	Ala	Met	Ala	Tyr	Asp	Arg	Phe	Ile	Ala
		115					120					125			
Ile	Cys	Asn	Pro	Leu	Leu	Tyr	Ser	Val	His	Met	Ser	Thr	Arg	Leu	Cys
	130					135					140				
Thr	Gln	Leu	Val	Ala	Gly	Ser	Tyr	Phe	Cys	Gly	Cys	Ile	Ser	Ser	Val
145					150					155					160
Leu	Gln	Thr	Ser	Met	Thr	Phe	Thr	Leu	Ser	Phe	Cys	Ala	Ser	Arg	Ala
				165					170					175	
Ile	Asp	His	Phe	Tyr	Cys	Asp	Thr	Arg	Pro	Val	Gln	Arg	Leu	Ser	Cys
		180						185					190		
Asn	Asn	Leu	Phe	Val	His	Lys	Ile	Val	Ser	Phe	Ser	Leu	Ser	Ser	Ile
		195					200					205			
Ile	Ile	Leu	Pro	Thr	Val	Ile	Val	Ile	Ile	Val	Ser	Tyr	Met	Tyr	Ile
	210					215					220				
Val	Ser	Thr	Val	Leu	Lys	Ile	Arg	Ser	Val	Glu	Gly	Arg	Lys	Lys	Ala
225					230					235					240
Phe	Ser	Thr	Cys	Ser	Ser	His	Leu	Gly	Val	Val	Ser	Val	Leu	Tyr	Gly
				245					250					255	
Ala	Val	Phe	Phe	Met	Tyr	Leu	Thr	Pro	Asp	Arg	Phe	Pro	Glu	Leu	Ser
			260					265					270		
Lys	Leu	Ala	Ser	Leu	Cys	Phe	Ser	Leu	Val	Thr	Pro	Met	Leu	Asn	Pro
		275					280					285			
Leu	Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Val	Arg	Asp	Ala	Leu	Ser	Lys

290 295 300
 Leu Leu Glu Lys Lys Lys Phe Ile Leu
 305 310

<210> 1759
 <211> 312
 <212> PRT
 <213> Mus musculus

<400> 1759
 Met Ala Asn His Ser Ser Val Thr Lys Phe Ile Leu Leu Gly Leu Thr
 1 5 10 15
 Asn Asp Ile Asn Leu Gln Ala Val Leu Phe Leu Phe Leu Ile Leu Thr
 20 25 30
 Tyr Ile Leu Ser Val Met Gly Asn Ser Ala Ile Ile Leu Leu Thr Leu
 35 40 45
 Leu Asp His Arg Leu Gln Thr Pro Met Tyr Phe Phe Leu Arg Asn Phe
 50 55 60
 Ala Phe Leu Glu Ile Ser Phe Thr Ser Val Phe Val Pro Lys Met Leu
 65 70 75 80
 Ile Asn Ile Gly Thr Gly Asp Lys Thr Ile Ser Phe Ala Gly Cys Phe
 85 90 95
 Thr Gln Tyr Phe Phe Ala Ile Leu Leu Gly Ala Thr Glu Phe Tyr Leu
 100 105 110
 Leu Ala Val Met Ser Tyr Asp Arg Tyr Val Ala Ile Cys Arg Pro Leu
 115 120 125
 His Tyr Thr Thr Ile Met Ser Arg Arg Leu Cys Phe Gln Leu Val Leu
 130 135 140
 Ser Ser Trp Leu Ser Gly Phe Ile Val Val Ala Val Pro His Ala Met
 145 150 155 160
 Thr Leu Gln Leu Pro Phe Cys Ala Ser Asn Ile Ile Asn His Tyr Cys
 165 170 175
 Cys Asp Tyr Thr Ile Leu Leu His Leu Ser Cys Ser Asp Thr His Phe
 180 185 190
 Ile Glu Val Ile Gln Phe Leu Leu Ala Ala Val Thr Leu Ile Leu Thr
 195 200 205
 Leu Leu Leu Val Ile Leu Ser Tyr Thr His Ile Ile Lys Thr Ile Leu
 210 215 220
 Arg Ile Pro Ser Ala Gln Gln Arg Lys Lys Ala Phe Ser Thr Cys Ser
 225 230 235 240
 Ser His Met Ile Val Val Ser Leu Ser Tyr Gly Ser Cys Ile Phe Met
 245 250 255
 Tyr Ile Asn Pro Ser Phe Lys Asp Ala Ala Asn Phe Asn Lys Arg Val
 260 265 270
 Ala Val Leu Asn Thr Ser Val Ala Pro Leu Leu Asn Pro Phe Ile Tyr
 275 280 285
 Thr Leu Arg Asn Lys Gln Val Lys Ile Ala Phe Lys Asp Met Leu Ser
 290 295 300
 Lys Thr Ile Ser Phe Phe Lys Lys
 305 310

<210> 1760
 <211> 315
 <212> PRT
 <213> Mus musculus

<400> 1760

Met	Lys	Leu	Glu	Gln	Ser	Arg	Asn	Tyr	Thr	Glu	Leu	Thr	Asp	Phe	Ile			
1				5					10					15				
Leu	Leu	Gly	Phe	Trp	Thr	Ser	Pro	Glu	Ala	Gln	Val	Pro	Leu	Phe	Leu			
		20						25					30					
Leu	Phe	Leu	Phe	Ile	Tyr	Leu	Val	Ile	Leu	Leu	Gly	Asn	Leu	Ser	Met			
		35					40					45						
Leu	Thr	Val	Ile	Lys	Ile	Asp	Ser	Arg	Leu	His	Thr	Pro	Met	Tyr	Phe			
	50					55					60							
Phe	Leu	Gln	Asn	Leu	Ser	Phe	Leu	Asp	Leu	Cys	Tyr	Ser	Thr	Val	Ile			
65					70					75					80			
Ala	Pro	Lys	Thr	Leu	Ala	Thr	Ile	Phe	Ser	Lys	Glu	Lys	Lys	Ile	Ser			
				85					90					95				
Tyr	Asn	Glu	Cys	Ala	Thr	Gln	Phe	Phe	Phe	Phe	Ala	Leu	Phe	Val	Gly			
		100						105						110				
Thr	Glu	Gly	Phe	Leu	Leu	Ala	Val	Met	Ala	Tyr	Asp	Arg	Phe	Ser	Ala			
		115					120					125						
Ile	Cys	Ser	Pro	Phe	Leu	Tyr	Thr	Val	His	Met	Ser	Gln	Pro	Ala	Cys			
	130					135					140							
Ile	Arg	Leu	Val	Ala	Gly	Ser	Tyr	Ile	Cys	Gly	Cys	Ile	Asn	Ser	Met			
145					150					155					160			
Ile	Gln	Thr	Gly	Phe	Thr	Phe	Ser	Leu	Arg	Phe	Cys	Gly	Glu	Asn	Arg			
				165					170					175				
Leu	Asp	His	Phe	Phe	Cys	Asp	Val	Pro	Ala	Leu	Ile	Lys	Ile	Ser	Cys			
			180					185					190					
Val	Asp	Thr	Phe	Val	Asn	Glu	Ile	Val	Leu	Phe	Ile	Leu	Ser	Ala	Leu			
		195					200					205						
Ile	Ile	Ile	Ser	Thr	Ile	Thr	Ile	Ile	Leu	Val	Ser	Tyr	Ala	Tyr	Ile			
	210					215					220							
Leu	Ser	Thr	Val	Leu	Lys	Ile	Pro	Ser	Thr	His	Gly	Arg	Ser	Lys	Thr			
225					230					235					240			
Phe	Ser	Thr	Cys	Gly	Ser	His	Ile	Ala	Val	Val	Ser	Leu	Phe	Tyr	Gly			
				245					250					255				
Thr	Val	Phe	Phe	Met	Tyr	Ala	Gln	Pro	Gly	Ser	Ile	Ser	Ser	Pro	Glu			
			260					265					270					
Lys	Ser	Lys	Ile	Val	Ala	Val	Phe	Tyr	Thr	Leu	Ile	Ile	Pro	Met	Leu			
		275					280					285						
Asn	Pro	Leu	Ile	Tyr	Ser	Leu	Arg	Asn	Thr	Glu	Val	Lys	Ser	Ala	Leu			
	290					295					300							
Lys	Lys	Thr	Leu	Leu	Arg	Lys	Ile	Ser	Trp	Gln								
305					310					315								

<210> 1761

<211> 315

<212> PRT

<213> Mus musculus

<400> 1761

Met	Lys	Leu	Glu	Gln	Ser	Arg	Asn	Tyr	Thr	Glu	Leu	Thr	Asp	Phe	Ile			
1				5					10					15				
Leu	Leu	Gly	Phe	Trp	Thr	Ser	Pro	Glu	Ala	Arg	Val	Pro	Leu	Phe	Leu			
		20						25					30					
Leu	Phe	Leu	Phe	Ile	Tyr	Leu	Val	Ile	Val	Leu	Gly	Asn	Leu	Ser	Met			
		35					40					45						
Leu	Thr	Val	Ile	Lys	Ile	Asp	Ser	Arg	Leu	His	Thr	Pro	Met	Tyr	Phe			
	50					55					60							
Phe	Leu	Gln	Asn	Leu	Ser	Phe	Leu	Asp	Leu	Cys	Tyr	Ser	Thr	Val	Ile			
65					70					75					80			
Ala	Pro	Lys	Ala	Leu	Ala	Thr	Phe	Phe	Ser	Lys	Glu	Lys	Lys	Ile	Ser			

				85					90					95			
Tyr	Asn	Glu	Cys	Ala	Thr	Gln	Phe	Phe	Phe	Phe	Ala	Leu	Phe	Val	Gly		
			100					105					110				
Thr	Glu	Gly	Phe	Leu	Leu	Ala	Val	Met	Ala	Tyr	Asp	Arg	Phe	Ser	Ala		
		115					120					125					
Ile	Cys	Ser	Pro	Phe	Leu	Tyr	Thr	Val	His	Met	Ser	Gln	Pro	Ala	Cys		
	130					135					140						
Ile	Arg	Leu	Val	Ala	Gly	Ser	Tyr	Ile	Cys	Gly	Cys	Ile	Asn	Ser	Met		
145					150					155					160		
Ile	Gln	Thr	Gly	Phe	Thr	Phe	Ser	Leu	Arg	Phe	Cys	Gly	Glu	Asn	Arg		
				165					170					175			
Leu	Asp	His	Phe	Phe	Cys	Asp	Val	Pro	Ala	Leu	Ile	Lys	Ile	Ser	Cys		
			180					185					190				
Val	Asp	Thr	Phe	Val	Asn	Glu	Ile	Val	Leu	Phe	Ile	Leu	Ser	Ala	Leu		
		195					200					205					
Ile	Ile	Ile	Ser	Thr	Ile	Thr	Ile	Ile	Leu	Val	Ser	Tyr	Ala	Tyr	Ile		
	210					215					220						
Leu	Ser	Thr	Val	Leu	Lys	Ile	Pro	Ser	Thr	His	Gly	Arg	Ser	Lys	Thr		
225					230					235					240		
Phe	Ser	Thr	Cys	Gly	Ser	His	Ile	Ala	Val	Val	Ser	Leu	Phe	Tyr	Gly		
			245						250					255			
Thr	Val	Phe	Phe	Met	Tyr	Ala	Gln	Pro	Gly	Ser	Ile	Ser	Ser	Pro	Glu		
			260					265					270				
Lys	Ser	Lys	Ile	Val	Ala	Val	Phe	Tyr	Thr	Leu	Ile	Ile	Pro	Met	Leu		
		275					280					285					
Asn	Pro	Leu	Ile	Tyr	Ser	Leu	Arg	Asn	Thr	Glu	Val	Lys	Ser	Ala	Leu		
	290					295					300						
Lys	Lys	Thr	Leu	Leu	Arg	Lys	Ile	Pro	Trp	His							
305					310					315							

<210> 1762

<211> 312

<212> PRT

<213> Mus musculus

<400> 1762

Met	Lys	Asn	His	Thr	Glu	Val	Thr	Val	Phe	Ile	Leu	Ala	Gly	Leu	Thr		
1			5						10					15			
Asp	Asp	Pro	Gln	Trp	Lys	Val	Val	Leu	Phe	Ile	Phe	Leu	Leu	Leu	Thr		
			20					25					30				
Tyr	Leu	Leu	Ser	Val	Thr	Gly	Asn	Leu	Thr	Ile	Ile	Thr	Leu	Thr	Leu		
		35					40					45					
Val	Asp	Thr	His	Leu	Lys	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Arg	Asn	Phe		
	50					55					60						
Ser	Phe	Leu	Glu	Phe	Ser	Tyr	Thr	Thr	Thr	Cys	Ile	Pro	Lys	Leu	Leu		
65					70					75					80		
Val	Thr	Met	Ala	Thr	Gly	Asp	Lys	Thr	Ile	Ser	Tyr	Gly	Asn	Cys	Val		
				85					90					95			
Thr	Gln	Val	Phe	Phe	Ala	Phe	Leu	Phe	Gly	Ala	Ser	Glu	Phe	Tyr	Leu		
			100					105					110				
Leu	Ala	Ala	Met	Ser	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Lys	Pro	Leu		
		115					120					125					
His	Tyr	Met	Thr	Ile	Met	Asn	Asn	Lys	Val	Cys	Val	Gln	Leu	Val	Leu		
	130					135					140						
Ser	Cys	Trp	Leu	Ala	Gly	Phe	Phe	Val	Ile	Phe	Pro	Pro	Leu	Val	Leu		
145					150					155					160		
Gly	Leu	Asn	Leu	Glu	Phe	Cys	Ala	Ser	Asn	Ile	Val	Asp	His	Phe	Tyr		
				165					170					175			

Cys	Asp	Thr	Thr	Pro	Leu	Leu	Gln	Ile	Ser	Cys	Thr	Asp	Thr	Gln	Leu
			180					185					190		
Leu	Glu	Thr	Met	Gly	Phe	Val	Ser	Ala	Leu	Val	Thr	Leu	Leu	Leu	Thr
		195					200					205			
Leu	Val	Met	Val	Ile	Ile	Ser	Tyr	Thr	Tyr	Ile	Ala	Ile	Thr	Ile	Leu
	210					215					220				
Lys	Ile	Pro	Ser	Thr	Glu	Gln	Arg	Lys	Lys	Ala	Phe	Ser	Thr	Cys	Ser
225					230					235					240
Ser	His	Met	Ile	Val	Ile	Ser	Ile	Ser	Tyr	Gly	Ser	Cys	Ile	Phe	Met
				245					250					255	
Tyr	Val	Lys	Pro	Ser	Val	Lys	Gln	Arg	Ile	Ser	Ile	Ser	Lys	Gly	Ile
			260					265					270		
Ser	Val	Leu	Asn	Thr	Ser	Val	Ala	Pro	Leu	Leu	Asn	Pro	Phe	Ile	Tyr
		275					280					285			
Thr	Leu	Arg	Asn	Gln	Gln	Val	Lys	Lys	Ala	Phe	Ile	Thr	Thr	Val	His
	290					295					300				
Arg	Ile	Ala	Ser	Ser	Ser	Lys	Lys								
305					310										

<210> 1763

<211> 312

<212> PRT

<213> Mus musculus

<400> 1763

Met	Lys	Asn	His	Thr	Arg	Val	Thr	Ile	Phe	Ile	Ile	Ala	Gly	Leu	Thr
1				5					10					15	
Asp	Asp	Pro	Gln	Trp	Lys	Val	Val	Leu	Phe	Ile	Phe	Leu	Leu	Leu	Thr
		20						25				30			
Tyr	Leu	Leu	Ser	Ile	Thr	Gly	Asn	Leu	Thr	Ile	Ile	Thr	Leu	Thr	Leu
	35					40						45			
Val	Asp	Thr	His	Leu	Lys	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Arg	Asn	Phe
	50					55					60				
Ser	Phe	Leu	Glu	Ile	Ser	Tyr	Thr	Thr	Thr	Cys	Ile	Pro	Lys	Leu	Leu
65					70					75					80
Val	Thr	Met	Ala	Thr	Gly	Asp	Lys	Thr	Ile	Ser	Tyr	Asn	Asn	Cys	Ala
			85						90					95	
Ala	Gln	Val	Phe	Phe	Ala	Phe	Leu	Leu	Gly	Ala	Ser	Glu	Phe	Tyr	Leu
		100						105				110			
Leu	Ala	Ala	Met	Ser	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Lys	Pro	Leu
		115				120						125			
His	Tyr	Met	Thr	Ile	Met	Ser	Asn	Lys	Val	Cys	Val	Gln	Leu	Val	Leu
	130					135					140				
Ser	Cys	Trp	Leu	Ile	Ser	Phe	Leu	Ile	Ile	Phe	Pro	Pro	Leu	Val	Leu
145					150					155					160
Gly	Leu	Asn	Leu	Asp	Phe	Cys	Ala	Ser	Asn	Ile	Ile	Asp	His	Phe	Tyr
			165						170					175	
Cys	Asp	Thr	Thr	Pro	Leu	Leu	Gln	Ile	Ser	Cys	Thr	Asp	Thr	Gln	Leu
			180					185					190		
Ile	Glu	Thr	Ile	Ala	Phe	Ile	Ser	Ala	Leu	Val	Thr	Leu	Leu	Leu	Thr
		195					200					205			
Leu	Val	Met	Val	Ile	Ile	Ser	Tyr	Thr	Tyr	Ile	Ala	Met	Thr	Ile	Leu
	210					215					220				
Lys	Ile	Pro	Ser	Thr	Ser	Gln	Arg	Lys	Lys	Ala	Phe	Ser	Thr	Cys	Ser
225					230					235					240
Ser	His	Met	Ile	Val	Ile	Ser	Ile	Ser	Tyr	Gly	Ser	Cys	Ile	Phe	Met
				245					250					255	
Tyr	Val	Lys	Pro	Ser	Val	Lys	Gln	Arg	Val	Ser	Ile	Ser	Lys	Gly	Ile

			260					265				270							
Ser	Val	Leu	Asn	Thr	Ser	Val	Ala	Pro	Leu	Leu	Asn	Pro	Phe	Ile	Tyr				
		275					280					285							
Thr	Leu	Arg	Asn	Gln	Gln	Val	Lys	Arg	Ala	Phe	Ile	Asn	Thr	Val	His				
	290					295						300							
Arg	Ile	Val	Ser	Phe	Ser	Lys	Lys												
305					310														

<210> 1764
 <211> 316
 <212> PRT
 <213> Mus musculus

<400> 1764

Met	Ile	Ser	Gln	Arg	Glu	Met	Lys	Asn	His	Thr	Arg	Gln	Ile	Glu	Phe				
1				5					10					15					
Ile	Leu	Leu	Gly	Leu	Thr	Asp	Asn	Pro	Gln	Leu	Gln	Thr	Leu	Ile	Phe				
			20				25						30						
Val	Ser	Leu	Leu	Leu	Asn	Tyr	Leu	Leu	Ser	Met	Leu	Gly	Asn	Leu	Ala				
		35					40					45							
Ile	Ile	Ala	Leu	Thr	Leu	Leu	Asp	Pro	Ile	Leu	Lys	Thr	Pro	Met	Tyr				
	50					55					60								
Phe	Phe	Leu	Arg	Asn	Phe	Ser	Phe	Leu	Glu	Ile	Leu	Phe	Thr	Thr	Thr				
65				70						75					80				
Cys	Ile	Pro	Arg	Phe	Leu	Ile	Ser	Ile	Val	Thr	Gln	Glu	Lys	Thr	Ile				
				85					90					95					
Ser	Tyr	Asn	Gly	Cys	Val	Cys	Gln	Leu	Phe	Phe	Tyr	Ile	Phe	Leu	Gly				
			100				105						110						
Ala	Thr	Glu	Phe	Phe	Phe	Leu	Ala	Thr	Met	Ser	Tyr	Asp	Arg	Tyr	Ile				
		115					120					125							
Ala	Ile	Cys	Lys	Pro	Leu	His	Tyr	Ala	Ser	Ile	Met	Asn	Ser	Lys	Val				
		130				135					140								
Cys	His	Gln	Leu	Val	Leu	Gly	Ser	Trp	Val	Thr	Gly	Phe	Leu	Val	Ile				
145				150						155				160					
Phe	Pro	Pro	Leu	Ile	Ile	Gly	Leu	Asp	Leu	Asp	Phe	Cys	Ala	Ser	Asn				
			165					170						175					
Val	Ile	Asp	His	Phe	Leu	Cys	Asp	Val	Ser	Pro	Leu	Leu	Gln	Leu	Ser				
		180						185					190						
Cys	Ser	Asn	Thr	Asn	Leu	Leu	Asp	Leu	Met	Ala	Phe	Ile	Leu	Ala	Leu				
		195					200					205							
Met	Thr	Leu	Ile	Val	Thr	Leu	Val	Ile	Val	Ile	Phe	Ser	Tyr	Ala	His				
	210					215					220								
Ile	Ala	Lys	Thr	Ile	Met	Lys	Phe	Pro	Ser	Val	Gln	Gln	Lys	Lys	Lys				
225				230						235				240					
Ala	Phe	Ser	Thr	Cys	Ser	Ser	His	Met	Ile	Val	Val	Ser	Leu	Thr	Tyr				
			245					250						255					
Gly	Ser	Cys	Ile	Phe	Ile	Tyr	Ile	Lys	Pro	Ser	Ala	Asn	Glu	Arg	Val				
		260						265					270						
Thr	Leu	Ser	Lys	Gly	Ile	Ala	Val	Leu	Asn	Thr	Ser	Val	Ala	Pro	Leu				
		275					280					285							
Leu	Asn	Pro	Phe	Ile	Tyr	Thr	Leu	Arg	Asn	Lys	Gln	Val	Lys	Gln	Ala				
	290					295					300								
Cys	Gly	Val	Val	Leu	Arg	Lys	Ile	Phe	Ser	Ala	Ser								
305					310					315									

<210> 1765
 <211> 324

<212> PRT

<213> Mus musculus

<400> 1765

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Met Ser Leu Phe Pro Gln Arg Asn Leu Asp Ala Met Asn Arg Ser Ala
 1          5          10          15
Ala His Val Thr Glu Phe Val Leu Leu Gly Phe Pro Gly Ser Trp Lys
          20          25          30
Ile Gln Ile Phe Leu Phe Val Leu Phe Leu Val Phe Tyr Val Leu Thr
          35          40          45
Leu Leu Gly Asn Gly Ala Ile Ile Cys Ala Val Arg Cys Asp Ser Arg
 50          55          60
Leu His Thr Pro Met Tyr Phe Leu Leu Gly Asn Phe Ser Phe Leu Glu
65          70          75          80
Ile Trp Tyr Val Ser Ser Thr Ile Pro Asn Ile Leu Ala Asn Ile Leu
          85          90          95
Ser Lys Thr Lys Ala Ile Ser Phe Ser Gly Cys Phe Leu Gln Phe Tyr
          100          105          110
Phe Phe Phe Ser Leu Gly Thr Thr Glu Cys Leu Phe Leu Ala Val Met
          115          120          125
Ala Tyr Asp Arg Tyr Leu Ala Ile Cys Arg Pro Leu His Tyr Pro Thr
          130          135          140
Ile Met Thr Arg Arg Leu Cys Cys Ile Leu Val Ser Ser Cys Trp Leu
145          150          155          160
Ile Gly Phe Leu Gly Tyr Pro Ile Pro Ile Phe Ser Ile Ser Gln Leu
          165          170          175
Pro Phe Cys Gly Ser Asn Ile Ile Asp His Phe Leu Cys Asp Met Asp
          180          185          190
Pro Leu Met Ala Leu Ser Cys Ala Pro Ala Pro Ile Thr Glu Phe Ile
          195          200          205
Phe Tyr Ala Gln Ser Ser Phe Val Leu Phe Phe Thr Ile Ala Tyr Ile
          210          215          220
Leu Arg Ser Tyr Ile Leu Leu Leu Arg Ala Val Phe Gln Val Pro Ser
225          230          235          240
Ala Ala Gly Arg Arg Lys Ala Phe Ser Thr Cys Gly Ser His Leu Val
          245          250          255
Val Val Ser Leu Phe Tyr Gly Thr Val Met Val Met Tyr Val Ser Pro
          260          265          270
Thr Tyr Gly Ile Pro Ile Leu Met Gln Lys Ile Leu Thr Leu Val Tyr
          275          280          285
Ser Val Met Thr Pro Leu Phe Asn Pro Leu Ile Tyr Ser Leu Arg Asn
          290          295          300
Lys Asp Met Lys Leu Ala Leu Arg Asn Val Leu Leu Gly Met Arg Ile
305          310          315          320
Val Lys Asn Met
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<210> 1766

<211> 309

<212> PRT

<213> Mus musculus

<400> 1766

```
Met Lys Thr Leu Ser Ser Ser Asn Asn Thr Ile Thr Gly Phe Ile Leu
 1          5          10          15
Leu Gly Phe Pro Cys Pro Arg Glu Gly Gln Ile Leu Leu Phe Val Leu
          20          25          30
Phe Phe Ile Val Tyr Leu Leu Thr Leu Met Gly Asn Ala Ser Ile Ile
```


Ala	Ile	Cys	Arg	Pro	Leu	His	Tyr	Pro	Ser	Leu	Met	Thr	Gly	Arg	Leu
130						135					140				
Cys	Asn	Ile	Leu	Val	Ile	Ser	Cys	Trp	Met	Leu	Gly	Phe	Leu	Trp	Phe
145					150					155					160
Pro	Val	Pro	Ile	Ile	Ile	Ser	Gln	Met	Ser	Phe	Cys	Gly	Ser	Arg	
				165				170						175	
Ile	Ile	Asp	His	Phe	Leu	Cys	Asp	Pro	Gly	Pro	Leu	Leu	Ala	Leu	Thr
		180						185					190		
Cys	Val	Arg	Asn	Ser	Leu	Ile	Glu	Met	Thr	Ser	Ser	Thr	Leu	Ser	Ser
		195					200					205			
Leu	Leu	Leu	Phe	Val	Pro	Phe	Phe	Phe	Ile	Met	Gly	Ser	Tyr	Ala	Leu
210						215					220				
Val	Met	Arg	Ala	Val	Leu	Arg	Val	Pro	Ser	Ala	Ala	Gly	Arg	Arg	Lys
225					230					235					240
Ala	Phe	Ser	Thr	Cys	Gly	Ser	His	Leu	Thr	Val	Val	Ser	Leu	Phe	Tyr
				245					250					255	
Gly	Ser	Val	Met	Val	Met	Tyr	Val	Ser	Pro	Thr	Ser	Glu	His	Ala	Ala
			260					265					270		
Gly	Val	Gln	Lys	Leu	Val	Thr	Leu	Phe	Tyr	Ser	Val	Val	Thr	Pro	Leu
		275					280					285			
Leu	Asn	Pro	Val	Ile	Tyr	Ser	Leu	Arg	Asn	Arg	Asp	Met	Lys	His	Ala
290						295					300				
Met	Lys	Lys	Leu	Leu	Lys	Met									
305					310										

<210> 1768

<211> 311

<212> PRT

<213> Mus musculus

<400> 1768

Met	Lys	Thr	Phe	Ser	Ser	Pro	Ser	Asn	Ser	Ser	Thr	Thr	Thr	Gly	Phe
1				5					10					15	
Ile	Leu	Leu	Gly	Phe	Pro	Cys	Pro	Arg	Glu	Gly	Gln	Ile	Leu	Leu	Phe
			20					25					30		
Val	Leu	Phe	Ser	Ile	Val	Tyr	Leu	Leu	Thr	Leu	Met	Gly	Asn	Thr	Cys
		35					40					45			
Ile	Ile	Phe	Ala	Val	Cys	Trp	Asp	Gln	Arg	Leu	His	Thr	Pro	Met	Tyr
		50				55					60				
Leu	Leu	Leu	Ala	Asn	Phe	Ser	Phe	Leu	Glu	Ile	Trp	Tyr	Val	Thr	Ser
65				70						75					80
Thr	Val	Pro	Asn	Met	Leu	Ala	Asn	Phe	Leu	Ser	Asp	Thr	Lys	Val	Ile
			85						90					95	
Ser	Phe	Ser	Gly	Cys	Phe	Leu	Gln	Phe	Tyr	Phe	Phe	Phe	Ser	Leu	Gly
			100					105					110		
Ser	Thr	Glu	Cys	Leu	Phe	Leu	Ala	Val	Met	Ala	Phe	Asp	Arg	Tyr	Leu
		115					120					125			
Ala	Ile	Cys	Arg	Pro	Leu	His	Tyr	Pro	Ala	Leu	Met	Thr	Gly	Ser	Leu
						135					140				
Cys	Asn	Ile	Leu	Val	Ile	Ser	Cys	Trp	Val	Leu	Gly	Phe	Leu	Trp	Phe
145					150					155					160
Pro	Val	Pro	Ile	Ile	Ile	Ile	Ser	Gln	Met	Ser	Phe	Cys	Gly	Ser	Arg
				165					170					175	
Ile	Ile	Asp	His	Phe	Leu	Cys	Asp	Pro	Gly	Pro	Leu	Leu	Ala	Leu	Thr
		180						185					190		
Cys	Ser	Arg	Ala	Pro	Leu	Met	Glu	Val	Phe	Trp	Thr	Ile	Ile	Thr	Ser
		195					200					205			
Leu	Ile	Leu	Phe	Val	Pro	Phe	Leu	Phe	Ile	Met	Gly	Ser	Tyr	Thr	Leu

210		215		220
Val Leu Arg Ala Val Phe Arg Val Pro Ser Arg Asp Gly Gln Lys Lys				
225		230		240
Ala Phe Ser Thr Cys Gly Ser His Leu Thr Val Val Leu Leu Phe Tyr				
	245		250	255
Gly Ser Val Met Ile Met Tyr Leu Ser Pro Thr Ser Glu His Glu Ala				
	260		265	270
Gly Met Gln Lys Leu Val Thr Leu Phe Tyr Ser Val Val Thr Pro Leu				
	275		280	285
Val Asn Pro Val Ile Tyr Ser Leu Arg Asn Lys Asp Met Lys His Ala				
	290		295	300
Leu Gln Lys Ile Leu Arg Thr				
305		310		

<210> 1769

<211> 312

<212> PRT

<213> Mus musculus

<400> 1769

Met Thr Ser Ala Arg Asn Ala Ser His Thr Val Ser His Phe Ile Leu				
1	5	10	15	
Leu Gly Phe Pro Cys Arg Arg Glu Ile Gln Ile Phe Leu Phe Ser Ile				
	20	25	30	
Phe Phe Met Ile Tyr Ile Leu Thr Leu Leu Gly Asn Met Ala Ile Val				
	35	40	45	
Tyr Ala Val Tyr Trp Asp His Arg Leu His Thr Pro Met Tyr Ile Leu				
	50	55	60	
Leu Ala Asn Phe Ser Phe Leu Glu Ile Cys Tyr Val Asn Ser Asp Val				
65	70	75	80	
Pro Asn Met Leu Val Asn Phe Leu Ser Thr Thr Lys Thr Ile Ser Phe				
	85	90	95	
Thr Arg Cys Leu Leu Gln Leu Tyr Phe Phe Phe Ser Leu Gly Thr Thr				
	100	105	110	
Glu Cys Leu Phe Leu Ser Ile Met Ala Tyr Asp Arg Phe Leu Ala Ile				
	115	120	125	
Cys Arg Pro Leu His Tyr Pro Thr Val Met Thr Thr Met Phe Cys Gly				
	130	135	140	
Asn Leu Val Ile Phe Cys Trp Val Tyr Gly Phe Leu Trp Phe Leu Ile				
145	150	155	160	
Pro Val Ile Leu Ile Thr Gln Leu Pro Phe Cys Gly Pro Asn Val Ile				
	165	170	175	
Asp Asp Phe Leu Cys Asp Leu Gly Pro Leu Leu Ala Leu Ala Ser Val				
	180	185	190	
Cys Val Pro Ile Pro Gly Thr Val Leu Ile Cys Gly Thr Met Ser Ser				
	195	200	205	
Leu Leu Ile Phe Gly Thr Phe Phe Tyr Ile Ile Gly Ser Tyr Thr Leu				
	210	215	220	
Val Leu Arg Ala Val Ile Arg Met Pro Ser Ser Ala Gly Ser Lys Lys				
225	230	235	240	
Ala Phe Ser Thr Cys Ser Ser His Leu Ala Val Val Phe Leu Phe Tyr				
	245	250	255	
Gly Ser Val Met Ile Thr Tyr Val Ser Pro Gly Ser Gly Gln Ala Lys				
	260	265	270	
Gly Met Gln Lys Phe Thr Thr Leu Phe Tyr Ser Val Met Thr Pro Phe				
	275	280	285	
Phe Asn Pro Met Ile Tyr Ser Leu Arg Asn Lys Glu Met Lys Asp Ala				
	290	295	300	

Leu Lys Lys Val Val Gly Gly Ser
305 310

<210> 1770

<211> 308

<212> PRT

<213> Mus musculus

<400> 1770

Met Glu Thr Glu Asn Arg Thr Val Val Thr Glu Phe Ile Leu Ile Gly
1 5 10 15
Leu Thr Gln Ser His Asp Ile Gln Arg Leu Val Phe Val Leu Ser Leu
20 25 30
Ile Phe Tyr Ile Ile Ile Leu Pro Gly Asn Ile Leu Ile Ile Leu Thr
35 40 45
Ile Arg Ser Asp Pro Gly Leu Thr Ala Pro Leu Tyr Phe Phe Leu Gly
50 55 60
Asn Leu Ala Phe Leu Asp Ala Ser Tyr Ser Phe Ile Val Ala Pro Arg
65 70 75 80
Met Leu Val Asp Phe Phe Ser Glu Lys Lys Ile Ile Ser Tyr Lys Ala
85 90 95
Cys Ile Thr Gln Leu Phe Phe Leu His Phe Leu Gly Gly Gly Glu Gly
100 105 110
Leu Leu Leu Val Val Met Ala Phe Asp Arg Tyr Ile Ala Ile Cys Arg
115 120 125
Pro Leu His Tyr Ser Thr Val Met Ser Pro Arg Ala Cys Tyr Val Met
130 135 140
Leu Leu Ala Leu Trp Leu Gly Gly Phe Ile His Ser Ile Ile Gln Val
145 150 155 160
Val Leu Ile Leu Arg Leu Pro Phe Cys Gly Pro Asn His Leu Asp Asn
165 170 175
Phe Phe Cys Asp Val Pro Gln Val Ile Lys Leu Ala Cys Thr Asp Thr
180 185 190
Phe Ala Val Glu Leu Leu Met Ile Phe Asn Ser Gly Leu Leu Thr Leu
195 200 205
Leu Cys Phe Leu Gly Leu Leu Thr Ser Tyr Ala Val Ile Leu Cys His
210 215 220
Val His Arg Ser Ala Ser Glu Gly Lys Asn Lys Ala Ile Ser Thr Cys
225 230 235 240
Thr Thr His Val Ile Ile Ile Phe Ile Met Phe Gly Pro Ala Ile Phe
245 250 255
Ile Tyr Thr Arg Pro Phe Thr Ala Leu Ser Ala Asp Lys Val Val Ser
260 265 270
Phe Phe His Thr Val Ile Phe Pro Leu Met Asn Pro Val Ile Tyr Thr
275 280 285
Leu Arg Asn Gln Glu Val Lys Thr Ser Met Lys Lys Leu Ile Ile Arg
290 295 300
His Ile Ile Cys
305

<210> 1771

<211> 313

<212> PRT

<213> Mus musculus

<400> 1771

Met Glu Pro Ala Asn Asp Thr Thr Val Thr Glu Phe Ile Leu Thr Gly

1				5				10					15				
Leu	Ser	Gln	Thr	Arg	Glu	Val	Gln	Leu	Val	Leu	Phe	Val	Ile	Phe	Leu		
			20					25					30				
Ser	Phe	Tyr	Leu	Phe	Ile	Leu	Pro	Val	Asn	Ile	Leu	Ile	Ile	Cys	Thr		
		35					40					45					
Ile	Arg	Leu	Asp	Ser	His	Leu	Ser	Ser	Pro	Met	Tyr	Phe	Leu	Leu	Ala		
	50					55					60						
Asn	Leu	Ala	Phe	Leu	Asp	Ile	Trp	Tyr	Ser	Ser	Ile	Thr	Ala	Pro	Lys		
65					70					75					80		
Met	Leu	Val	Asp	Phe	Phe	Val	Glu	Arg	Lys	Ile	Ile	Ser	Phe	Gly	Gly		
				85					90					95			
Cys	Ile	Ala	Gln	Leu	Phe	Phe	Leu	His	Phe	Val	Gly	Ala	Ser	Glu	Met		
			100					105					110				
Phe	Leu	Leu	Thr	Val	Met	Ala	Phe	Asp	Arg	Tyr	Ala	Ala	Ile	Cys	Arg		
		115						120					125				
Pro	Leu	His	Tyr	Ala	Thr	Ile	Met	Asn	Arg	Arg	Leu	Cys	Cys	Ile	Leu		
	130					135					140						
Val	Ala	Leu	Ser	Trp	Thr	Gly	Gly	Phe	Val	His	Ser	Ile	Ile	Gln	Val		
145					150					155				160			
Ala	Leu	Ile	Val	Arg	Leu	Pro	Phe	Cys	Gly	Pro	Asn	Glu	Leu	Asp	Asn		
				165					170					175			
Tyr	Phe	Cys	Asp	Ile	Thr	Gln	Val	Val	Arg	Ile	Ala	Cys	Ala	Asn	Thr		
			180					185					190				
Phe	Leu	Glu	Met	Val	Met	Ile	Phe	Ser	Ser	Gly	Leu	Ile	Ser	Val			
		195				200					205						
Val	Cys	Phe	Ile	Ala	Leu	Leu	Met	Ser	Tyr	Ala	Phe	Leu	Leu	Thr	Met		
	210					215				220							
Leu	Lys	Lys	His	Ser	Ser	Ser	Gly	Glu	Ser	Thr	Ser	Arg	Ala	Ile	Ser		
225				230					235					240			
Thr	Cys	Tyr	Ser	His	Ile	Thr	Ile	Val	Val	Leu	Met	Phe	Gly	Pro	Ser		
				245					250					255			
Ile	Tyr	Ile	Tyr	Ala	Arg	Pro	Phe	Asp	Ser	Phe	Ser	Leu	Asp	Lys	Val		
			260					265					270				
Val	Ser	Val	Phe	His	Thr	Val	Ile	Phe	Pro	Leu	Leu	Asn	Pro	Ile	Ile		
		275					280					285					
Tyr	Thr	Leu	Arg	Asn	Lys	Glu	Val	Lys	Ala	Ala	Met	Arg	Lys	Leu	Val		
	290					295					300						
Asn	Arg	Tyr	Ile	Phe	Cys	Lys	Glu	Lys									
305					310												

<210> 1772

<211> 308

<212> PRT

<213> Mus musculus

<400> 1772

Met	Glu	Thr	Glu	Asn	Arg	Thr	Val	Val	Thr	Glu	Phe	Ile	Phe	Thr	Gly		
1				5					10				15				
Leu	Thr	Glu	Ser	Leu	Asp	Ile	Gln	Arg	Leu	Val	Phe	Val	Leu	Ser	Leu		
			20					25				30					
Ile	Phe	Tyr	Ile	Ile	Ile	Leu	Pro	Gly	Asn	Val	Phe	Ile	Ile	Leu	Thr		
		35					40				45						
Ile	Ile	Ser	Asp	Pro	Gly	Leu	Thr	Ala	Pro	Leu	Tyr	Leu	Phe	Leu	Gly		
	50					55					60						
Asn	Leu	Ala	Phe	Leu	Asp	Ala	Ser	Tyr	Ser	Phe	Ile	Val	Ala	Pro	Arg		
65					70					75				80			
Met	Leu	Ile	Asp	Ile	Phe	Ser	Glu	Lys	Lys	Ile	Ile	Ser	Tyr	Lys	Ala		
				85					90					95			

Cys	Ile	Thr	Gln	Leu	Phe	Phe	Leu	His	Phe	Leu	Gly	Gly	Gly	Glu	Phe
			100					105					110		
Leu	Leu	Leu	Val	Val	Met	Ala	Phe	Asp	Arg	Tyr	Ile	Ala	Ile	Cys	Arg
		115					120					125			
Pro	Leu	Tyr	Tyr	Ser	Thr	Val	Met	Asn	Pro	Arg	Val	Cys	Tyr	Val	Met
	130					135					140				
Leu	Leu	Ala	Pro	Trp	Leu	Gly	Gly	Phe	Ile	His	Ser	Ile	Ile	Gln	Val
145					150					155					160
Val	Leu	Ile	Leu	Arg	Leu	Pro	Phe	Cys	Gly	Pro	Asn	His	Leu	Asp	Asn
				165					170					175	
Phe	Phe	Cys	Asp	Val	Pro	Gln	Val	Ile	Lys	Leu	Ala	Cys	Thr	Asp	Thr
			180					185						190	
Phe	Ala	Val	Glu	Leu	Leu	Met	Ile	Phe	Asn	Ser	Gly	Leu	Leu	Thr	Leu
		195					200					205			
Val	Cys	Phe	Leu	Gly	Leu	Leu	Thr	Ser	Tyr	Ala	Val	Ile	Leu	Cys	His
	210					215					220				
Val	His	Arg	Ser	Ala	Ser	Glu	Gly	Lys	Asn	Lys	Ala	Ile	Ser	Thr	Cys
225					230					235					240
Thr	Thr	His	Val	Ile	Ile	Ile	Phe	Leu	Met	Phe	Gly	Pro	Ala	Ile	Phe
			245						250					255	
Ile	Tyr	Thr	Arg	Pro	Phe	Thr	Ala	Leu	Ser	Ala	Asp	Lys	Val	Val	Ser
			260					265					270		
Phe	Phe	His	Thr	Val	Ile	Phe	Pro	Leu	Leu	Asn	Pro	Val	Ile	Tyr	Thr
		275					280					285			
Leu	Arg	Asn	Gln	Glu	Val	Lys	Thr	Ser	Met	Lys	Lys	Leu	Phe	Ile	Arg
	290					295					300				
Gln	Val	Ile	Cys												
305															

<210> 1773

<211> 312

<212> PRT

<213> Mus musculus

<400> 1773

Met	Asn	Asn	His	Ser	Ser	Ser	Ser	Ser	Ser	Thr	Ser	Asp	Phe	Ile	Leu
1				5					10					15	
Leu	Gly	Leu	Ser	Thr	Asn	Pro	Trp	Met	Gln	Lys	Pro	Leu	Phe	Gly	Ile
			20					25				30			
Phe	Ile	Ile	Met	Tyr	Leu	Val	Thr	Val	Met	Gly	Asn	Val	Leu	Ile	Ile
		35					40					45			
Leu	Val	Ile	Arg	Ser	Asp	Ser	Arg	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe
	50					55					60				
Leu	Ser	Asn	Leu	Ser	Phe	Met	Asp	Ile	Cys	Phe	Thr	Thr	Val	Ile	Val
65					70					75					80
Pro	Lys	Met	Leu	Val	Asn	Phe	Leu	Ser	Glu	Thr	Lys	Thr	Ile	Ser	Tyr
				85					90					95	
Val	Gly	Cys	Leu	Val	Gln	Met	Tyr	Phe	Phe	Met	Ala	Leu	Gly	Asn	Thr
			100					105					110		
Asp	Ser	Tyr	Leu	Leu	Ala	Ser	Met	Ala	Ile	Asp	Arg	Leu	Val	Ala	Ile
		115					120					125			
Cys	Asn	Pro	Leu	His	Tyr	Asp	Val	Val	Met	Arg	Pro	Gln	Arg	Cys	Leu
	130					135					140				
Leu	Met	Leu	Leu	Gly	Ser	Cys	Thr	Ile	Ser	His	Leu	His	Ala	Leu	Phe
145					150					155					160
Arg	Val	Leu	Leu	Met	Ser	Arg	Leu	Ser	Phe	Cys	Ala	Ser	His	Val	Ile
				165					170					175	
Lys	His	Phe	Phe	Cys	Asp	Thr	Gln	Pro	Val	Leu	Lys	Leu	Ser	Cys	Ser

Asp	Thr	Ser	Ser	Ser	Gln	Ile	Val	Val	Met	Thr	Glu	Thr	Leu	Ala	Val
	195						200					205			
Ile	Val	Thr	Pro	Phe	Leu	Cys	Ile	Leu	Phe	Ser	Tyr	Met	Arg	Ile	Ile
	210					215					220				
Val	Thr	Val	Leu	Arg	Ile	Pro	Ser	Ala	Ala	Gly	Lys	Trp	Lys	Ala	Phe
225					230					235					240
Ser	Thr	Cys	Gly	Ser	His	Leu	Thr	Val	Val	Val	Leu	Phe	Tyr	Gly	Ser
				245					250					255	
Ile	Ile	Tyr	Val	Tyr	Phe	Arg	Pro	Leu	Ser	Met	Tyr	Ser	Val	Val	Lys
			260					265					270		
Asp	Arg	Val	Ala	Thr	Val	Met	Tyr	Thr	Val	Val	Thr	Pro	Met	Met	Asn
		275					280					285			
Pro	Phe	Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Met	Lys	Arg	Gly	Leu	Arg
	290					295					300				
Lys	Leu	Met	Gly	Lys	Val	His	Leu								
305					310										

<210> 1774

<211> 318

<212> PRT

<213> Mus musculus

<400> 1774

Met	Asp	Gly	Ser	Thr	Leu	Gln	Ser	Pro	Gln	Gln	Asn	His	Ser	Thr	Phe
1				5				10					15		
Val	Ala	Phe	Ile	Leu	Leu	Gly	Phe	Ser	Asp	Val	Pro	Asn	Leu	Gln	Glu
			20					25				30			
Phe	Leu	Phe	Gly	Leu	Phe	Leu	Met	Val	Tyr	Leu	Ile	Ile	Leu	Met	Gly
		35					40				45				
Asn	Ser	Leu	Ile	Ile	Ile	Ile	Ile	Arg	Ala	Asp	Pro	Ser	Leu	Gln	Thr
50						55					60				
Pro	Met	Tyr	Phe	Phe	Leu	Gly	Asn	Phe	Ser	Phe	Leu	Glu	Met	Cys	Tyr
65					70					75				80	
Val	Ser	Val	Thr	Leu	Pro	Arg	Leu	Leu	Thr	Asp	Leu	Tyr	Arg	Gln	Asp
			85						90					95	
Arg	Ile	Ile	Ser	Phe	Met	Ala	Cys	Ala	Thr	Gln	Met	Tyr	Phe	Phe	Leu
			100					105					110		
Ile	Phe	Gly	Ala	Thr	Glu	Cys	Phe	Ile	Leu	Thr	Ala	Met	Ala	Tyr	Asp
		115					120					125			
Arg	Tyr	Val	Ala	Ile	Cys	Asn	Pro	Leu	Leu	Tyr	Pro	Leu	Ile	Met	Asn
	130					135					140				
Asn	Ser	Leu	Cys	Ile	Gln	Leu	Ala	Ala	Gly	Cys	Trp	Ile	Ser	Gly	Val
145					150					155					160
Pro	Val	His	Ile	Gly	Phe	Thr	Tyr	Trp	Ile	Phe	Ser	Leu	Pro	Phe	Cys
			165						170					175	
Gly	Ser	Asn	Gln	Leu	Asn	His	Phe	Phe	Cys	Asp	Ile	Pro	Pro	Val	Leu
			180					185						190	
Thr	Leu	Ala	Cys	Gly	Asp	Thr	Phe	Met	Ile	Glu	Met	Leu	Ile	Tyr	Val
		195					200					205			
Ile	Ala	Leu	Leu	Val	Val	Thr	Ile	Pro	Phe	Met	Leu	Ile	Leu	Ala	Ser
	210					215					220				
Tyr	Val	Lys	Ile	Ile	Ser	Ser	Ile	Leu	Lys	Leu	Pro	Ser	Ala	Thr	Gly
225					230					235					240
Arg	Ala	Lys	Ala	Phe	Ser	Thr	Cys	Ser	Ser	His	Leu	Ile	Val	Val	Ala
				245					250					255	
Leu	Phe	Phe	Gly	Ser	Gly	Ile	Ile	Thr	Tyr	Leu	Arg	Pro	Lys	Ser	Ser
			260					265					270		

His	Ser	Ala	Gly	Val	Asp	Lys	Phe	Leu	Ser	Leu	Phe	Tyr	Thr	Val	Val
		275					280				285				
Thr	Pro	Met	Phe	Asn	Pro	Met	Ile	Tyr	Cys	Leu	Arg	Asn	Lys	Asp	Val
	290					295					300				
Met	Ile	Ala	Leu	Lys	Lys	Ile	Phe	Leu	Arg	Cys	Phe	Met	Leu		
305					310					315					

<210> 1775
 <211> 310
 <212> PRT
 <213> Mus musculus

<400> 1775

Met	Asp	Glu	Gly	Asn	Cys	Ser	Ser	Asn	Thr	Glu	Phe	Val	Leu	Leu	Gly
1				5					10					15	
Ile	Thr	Asn	Asn	Pro	Ser	Met	Lys	Val	Gly	Leu	Phe	Ile	Val	Phe	Leu
			20					25					30		
Ile	Ile	Tyr	Leu	Ile	Ile	Leu	Val	Ala	Asn	Ile	Gly	Met	Ile	Val	Leu
		35					40					45			
Ile	Lys	Leu	Asp	Pro	Gln	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Ser
	50					55					60				
His	Leu	Ser	Phe	Ser	Asp	Leu	Cys	Tyr	Ser	Thr	Ala	Val	Gly	Pro	Lys
65					70					75					80
Met	Leu	Val	Asp	Leu	Met	Val	Lys	Gln	Lys	Ile	Ile	Pro	Phe	Val	Gly
				85					90					95	
Cys	Ala	Leu	Gln	Phe	Phe	Phe	Thr	Cys	Ile	Phe	Val	Asp	Ala	Glu	Cys
			100					105					110		
Met	Leu	Leu	Ala	Val	Met	Ala	Phe	Asp	Arg	Tyr	Lys	Ala	Ile	Ser	Asn
		115					120					125			
Pro	Leu	Met	Tyr	Val	Val	Gly	Met	Ser	Ser	Lys	Phe	Cys	Tyr	Gln	Leu
		130				135						140			
Leu	Ala	Gly	Val	Tyr	Leu	Val	Gly	Met	Ile	Asp	Thr	Val	Ile	His	Thr
145					150					155					160
Ile	Met	Thr	Phe	Gly	Leu	Cys	Phe	Tyr	Gly	Ser	Asn	Glu	Ile	Asn	His
				165					170					175	
Phe	Phe	Cys	Asp	Ile	Pro	Pro	Ile	Leu	Leu	Leu	Ser	Cys	Ser	Asp	Thr
			180					185					190		
Gln	Thr	Asn	Glu	Leu	Ile	Thr	Phe	Val	Ile	Phe	Gly	Phe	Ile	Glu	Leu
		195					200					205			
Ser	Thr	Ile	Ser	Gly	Val	Leu	Val	Ser	Tyr	Cys	Tyr	Ile	Ile	Ser	Ser
		210				215					220				
Val	Leu	Lys	Ile	Arg	Ser	Thr	Asp	Gly	Arg	Phe	Lys	Ala	Phe	Ser	Thr
225					230					235					240
Cys	Ala	Ser	His	Leu	Thr	Ala	Val	Ala	Ile	Phe	Gln	Gly	Thr	Leu	Leu
				245					250					255	
Phe	Met	Tyr	Phe	Arg	Pro	Ala	Ser	Ala	Tyr	Ser	Leu	Asp	Gln	Asp	Lys
			260					265					270		
Ile	Thr	Ser	Leu	Phe	Tyr	Thr	Leu	Val	Ile	Pro	Met	Leu	Asn	Pro	Leu
		275					280					285			
Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Val	Gln	Glu	Ala	Leu	Gln	Lys	Leu
	290					295					300				
Lys	Lys	Lys	Ile	Phe	Phe										
305					310										

<210> 1776
 <211> 310
 <212> PRT

<213> Mus musculus

<400> 1776

Met	Asp	Lys	Arg	Asn	Cys	Ser	Ser	Val	Pro	Glu	Phe	Leu	Leu	Leu	Gly
1				5				10						15	
Ile	Thr	Asn	Lys	Pro	Glu	Met	Lys	Val	Ala	Leu	Phe	Ile	Val	Phe	Leu
		20					25					30			
Ile	Val	Tyr	Leu	Thr	Ile	Leu	Leu	Thr	Asn	Val	Gly	Met	Ile	Thr	Leu
		35				40					45				
Ile	Arg	Met	Asp	Pro	Gln	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Ser
	50					55				60					
His	Leu	Ser	Phe	Ser	Asp	Leu	Cys	Tyr	Ser	Thr	Ala	Val	Gly	Pro	Lys
65					70				75						80
Met	Leu	Leu	Asp	Leu	Glu	Asp	Asn	Asn	Pro	Ile	Ser	Phe	Val	Gly	
			85					90					95		
Cys	Phe	Leu	Gln	Leu	Leu	Ile	Val	Ser	Ile	Phe	Ile	Asp	Val	Glu	Cys
			100					105					110		
Met	Leu	Leu	Ala	Val	Met	Ala	Phe	Asp	Arg	Tyr	Lys	Ala	Ile	Ser	Asn
		115					120					125			
Pro	Leu	Met	Tyr	Ala	Val	Asp	Met	Ser	Ser	Arg	Val	Cys	Tyr	Gln	Phe
	130					135					140				
Leu	Thr	Ala	Ile	Tyr	Val	Phe	Gly	Thr	Ile	Asp	Gly	Phe	Ile	His	Thr
145					150					155					160
Ser	Leu	Ala	Phe	Ser	Leu	Cys	Phe	Cys	His	Ser	Thr	Gln	Ile	Asn	His
				165					170					175	
Phe	Phe	Cys	Asp	Leu	Pro	Pro	Val	Leu	Leu	Leu	Ser	Cys	Ser	Asp	Thr
			180					185					190		
His	Ile	Asn	Glu	Leu	Val	Leu	Phe	Met	Leu	Phe	Gly	Phe	Ile	Glu	Leu
		195					200					205			
Ser	Thr	Ile	Ser	Gly	Val	Leu	Val	Ser	Tyr	Cys	Tyr	Ile	Ile	Ser	Ser
	210					215					220				
Val	Leu	Lys	Ile	Ser	Ser	Thr	Gly	Gly	Trp	Phe	Lys	Ala	Phe	Ser	Thr
225					230					235					240
Cys	Ala	Ser	His	Leu	Thr	Ala	Val	Gly	Ile	Phe	Gln	Gly	Thr	Met	Leu
				245					250					255	
Phe	Met	Tyr	Phe	Arg	Pro	Ser	Ser	Ala	Tyr	Ser	Leu	Asp	Gln	Asp	Lys
			260					265					270		
Met	Thr	Ser	Ile	Phe	Tyr	Leu	Leu	Val	Ile	Pro	Met	Ile	Asn	Pro	Leu
		275				280						285			
Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Val	Lys	Glu	Ala	Leu	Val	Arg	Leu
	290					295					300				
Arg	Ser	Lys	Trp	Trp	Phe										
305					310										

<210> 1777

<211> 309

<212> PRT

<213> Mus musculus

<400> 1777

Met	Asp	Ile	Gly	Asn	Cys	Ser	Leu	Asn	Glu	Phe	Ile	Phe	Val	Gly	Val
1				5				10						15	
Thr	Asn	Asn	Pro	Glu	Met	Lys	Gly	Thr	Leu	Phe	Thr	Ile	Phe	Leu	Leu
		20					25					30			
Ile	Tyr	Leu	Ile	Asn	Leu	Leu	Gly	Asn	Ile	Gly	Met	Ile	Ile	Leu	Ile
		35				40					45				
Arg	Met	Asp	Pro	Gln	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Ser	His
	50					55				60					

Leu	Ser	Phe	Cys	Asp	Leu	Cys	Tyr	Ser	Thr	Ala	Ile	Gly	Pro	Lys	Met
65					70					75					80
Leu	Leu	Asp	Met	Phe	Gly	Lys	Asn	Lys	Ser	Ile	Pro	Phe	Trp	Gly	Cys
				85					90					95	
Ala	Leu	Gln	Leu	Phe	Ile	Phe	Cys	Val	Phe	Ala	Asp	Ser	Glu	Cys	Val
			100					105					110		
Leu	Leu	Ala	Val	Met	Ala	Phe	Asp	Arg	Tyr	Gln	Ala	Ile	Ser	Asn	Pro
		115					120					125			
Leu	Leu	Tyr	Thr	Ala	Asn	Met	Ser	Ser	Arg	Lys	Cys	Phe	Met	Phe	Met
	130					135					140				
Ala	Gly	Val	Tyr	Leu	Val	Gly	Thr	Ala	Asp	Ala	Leu	Ile	His	Thr	Thr
145					150					155					160
Leu	Ala	Phe	Arg	Leu	Cys	Phe	Cys	Gly	Ser	Asn	Glu	Ile	Asn	His	Phe
				165					170					175	
Phe	Cys	Asp	Leu	Pro	Pro	Leu	Tyr	Leu	Leu	Ser	Cys	Ser	Asp	Thr	Gln
			180					185					190		
Val	Asn	Tyr	Leu	Ala	Leu	Phe	Thr	Ile	Tyr	Gly	Phe	Leu	Glu	Leu	Ser
		195					200					205			
Thr	Ile	Ser	Gly	Val	Leu	Val	Ser	Tyr	Cys	Tyr	Ile	Ile	Ser	Ser	Ile
	210					215					220				
Leu	Lys	Ile	Arg	Ser	Ala	Glu	Gly	Arg	Phe	Lys	Ala	Phe	Ser	Thr	Cys
225					230					235					240
Thr	Ser	His	Leu	Thr	Ala	Val	Ala	Ile	Phe	Gln	Gly	Thr	Leu	Leu	Phe
				245					250				255		
Thr	Tyr	Phe	Arg	Pro	Ser	Ser	Ser	Tyr	Ser	Leu	Asp	Gln	Asp	Lys	Met
			260					265					270		
Thr	Ser	Leu	Phe	Tyr	Thr	Leu	Val	Ile	Pro	Met	Leu	Asn	Pro	Leu	Ile
		275					280					285			
Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Val	Lys	Glu	Ala	Leu	Lys	Lys	Ile	Lys
	290					295					300				
Arg	Lys	Arg	Trp	Phe											
305															

<210> 1778

<211> 307

<212> PRT

<213> Mus musculus

<400> 1778

Met	Asn	Ile	Gly	Asn	Cys	Ser	Leu	Asn	Glu	Phe	Ile	Phe	Val	Gly	Val
1				5					10					15	
Thr	Asn	Asn	Pro	Glu	Met	Lys	Gly	Thr	Leu	Phe	Thr	Ile	Phe	Leu	Leu
			20					25					30		
Ile	Tyr	Leu	Ile	Asn	Leu	Leu	Gly	Asn	Ile	Gly	Met	Ile	Ile	Leu	Ile
		35					40					45			
Arg	Met	Asp	Pro	Gln	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Ser	His
	50					55					60				
Leu	Ser	Phe	Cys	Asp	Leu	Cys	Tyr	Ser	Thr	Ala	Ile	Gly	Pro	Lys	Met
65					70					75					80
Leu	Val	Asp	Met	Phe	Gly	Lys	Asn	Lys	Ser	Ile	Pro	Phe	Trp	Gly	Cys
				85					90					95	
Ala	Val	Gln	Phe	Phe	Ile	Ser	Cys	Thr	Phe	Ala	Asp	Ser	Glu	Cys	Val
			100					105					110		
Leu	Leu	Ala	Val	Met	Ala	Phe	Asp	Arg	Tyr	Gln	Ala	Ile	Ser	Asn	Pro
		115					120					125			
Leu	Leu	Tyr	Thr	Ala	Asn	Met	Ser	Ser	Arg	Lys	Cys	Phe	Met	Phe	Met
	130					135					140				
Ala	Gly	Val	Tyr	Leu	Val	Gly	Thr	Ser	Asp	Ala	Leu	Ile	His	Thr	Thr

145					150					155					160
Leu	Ala	Phe	Arg	Leu	Cys	Phe	Cys	Gly	Ser	Asn	Glu	Ile	Asn	His	Phe
				165					170					175	
Phe	Cys	Asp	Leu	Pro	Pro	Leu	Tyr	Leu	Leu	Ser	Cys	Ser	Asp	Thr	Gln
			180					185					190		
Val	Asn	Tyr	Leu	Ala	Leu	Phe	Thr	Ile	Tyr	Gly	Phe	Leu	Glu	Leu	Ser
		195					200				205				
Thr	Ile	Ser	Gly	Val	Leu	Val	Ser	Tyr	Cys	Tyr	Ile	Ile	Ser	Ser	Val
	210				215				220						
Leu	Lys	Ile	Arg	Ser	Ala	Glu	Gly	Arg	Phe	Lys	Ala	Phe	Ser	Thr	Cys
225				230				235					240		
Thr	Ser	His	Leu	Thr	Ala	Val	Ala	Ile	Phe	Gln	Gly	Thr	Leu	Leu	Phe
			245					250				255			
Thr	Tyr	Phe	Arg	Pro	Ser	Ser	Ser	Tyr	Ser	Leu	Asp	Gln	Asp	Lys	Met
		260					265				270				
Thr	Ser	Leu	Phe	Tyr	Thr	Leu	Val	Ile	Pro	Met	Leu	Asn	Pro	Leu	Ile
		275				280			285						
Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Val	Lys	Glu	Ala	Leu	Gly	Lys	Met	Lys
	290			295			300								
Arg	Lys	Arg													
305															

<210> 1779
 <211> 310
 <212> PRT
 <213> Mus musculus

<400> 1779

Met	Arg	Ala	Asn	Gln	Thr	Trp	Ile	Thr	Glu	Val	Thr	Leu	Leu	Gly	Phe
1				5				10				15			
Gln	Ala	Asp	Leu	Ser	Val	Glu	Cys	Phe	Leu	Phe	Gly	Leu	Phe	Ser	Leu
			20					25			30				
Phe	Tyr	Ser	Phe	Thr	Leu	Leu	Gly	Asn	Gly	Ile	Ile	Leu	Val	Val	Ile
		35			40			45			50				
Cys	Leu	Asp	Asn	Arg	Leu	His	Ile	Pro	Met	Tyr	Phe	Phe	Leu	Ser	His
	50			55				60							
Leu	Ala	Ile	Val	Asp	Met	Ser	Tyr	Ala	Ser	Asn	Val	Pro	Lys	Met	
65				70				75			80				
Leu	Ala	Asn	Leu	Val	Thr	Gln	Arg	Arg	Thr	Ile	Ser	Phe	Ile	Leu	Cys
		85			90			95							
Ile	Met	Gln	Thr	Phe	Leu	Tyr	Leu	Ala	Phe	Ala	Cys	Thr	Glu	Cys	Leu
		100			105			110							
Ile	Leu	Val	Val	Met	Ser	Tyr	Asp	Arg	Phe	Val	Ala	Ile	Cys	His	Pro
		115			120			125							
Leu	His	Tyr	Thr	Val	Ile	Met	Ser	Trp	Lys	Val	Cys	Thr	Ile	Leu	Ala
	130			135				140							
Ala	Val	Ser	Trp	Ile	Ala	Gly	Phe	Leu	Leu	Ala	Leu	Val	His	Leu	Val
145				150				155			160				
Leu	Ile	Leu	Lys	Leu	Pro	Phe	Cys	Gly	Pro	His	Glu	Ile	Asn	His	Phe
		165			170			175							
Phe	Cys	Glu	Ile	Leu	Ser	Val	Leu	Lys	Leu	Ala	Cys	Ala	Asp	Thr	Thr
		180			185			190							
Leu	Asn	Gln	Val	Val	Ile	Leu	Ala	Ala	Cys	Val	Phe	Ile	Leu	Val	Gly
		195			200			205							
Pro	Leu	Cys	Leu	Val	Leu	Val	Ser	Tyr	Thr	Arg	Ile	Leu	Val	Thr	Ile
	210			215				220							
Leu	Arg	Ile	Gln	Ser	Gly	Glu	Gly	Arg	Arg	Lys	Ala	Phe	Ser	Thr	Cys
225				230			235								

<210> 1781
 <211> 310
 <212> PRT
 <213> Mus musculus

<400> 1781
 Met Lys Ala Asn Gln Thr Trp Ile Thr Glu Val Thr Leu Leu Gly Phe
 1 5 10 15
 Gln Ala Asp Leu Ala Val Glu Cys Phe Leu Phe Gly Leu Phe Ser Leu
 20 25 30
 Phe Tyr Ser Phe Thr Leu Leu Gly Asn Gly Ile Ile Phe Gly Ile Ile
 35 40 45
 Cys Leu Asp His Arg Leu His Thr Pro Met Tyr Phe Phe Leu Ser His
 50 55 60
 Leu Ala Ile Val Asp Met Ser Tyr Ala Ser Asn Asn Val Pro Lys Met
 65 70 75 80
 Leu Ala Asn Leu Val Thr Gln Arg Arg Thr Ile Ser Phe Ile Pro Cys
 85 90 95
 Leu Met Gln Thr Phe Leu Tyr Leu Ala Phe Ala His Ile Glu Cys Leu
 100 105 110
 Ile Leu Val Val Met Ser Tyr Asp Arg Phe Val Ala Ile Cys His Pro
 115 120 125
 Leu His Tyr Thr Val Ile Met Ser Trp Arg Val Cys Thr Ile Leu Ala
 130 135 140
 Ala Val Ser Trp Ile Phe Ser Phe Leu Leu Ala Leu Val His Leu Val
 145 150 155 160
 Leu Ile Leu Arg Leu Pro Phe Cys Gly Pro His Glu Val Asn His Phe
 165 170 175
 Phe Cys Glu Ile Leu Ser Val Leu Lys Leu Ala Cys Ala Asp Thr Thr
 180 185 190
 Leu Asn Gln Val Val Ile Phe Ala Ala Cys Val Phe Ile Leu Val Gly
 195 200 205
 Pro Leu Cys Leu Val Leu Val Ser Tyr Thr Arg Ile Leu Val Ala Ile
 210 215 220
 Leu Arg Ile Gln Ser Gly Glu Gly Arg Arg Lys Ala Phe Ser Thr Cys
 225 230 235 240
 Ser Ser His Leu Cys Val Val Gly Leu Phe Phe Gly Ser Ala Ile Val
 245 250 255
 Met Tyr Met Ala Pro Lys Ser Gln His Pro Glu Leu Gln Gln Lys Ile
 260 265 270
 Leu Ser Leu Phe Tyr Ser Leu Phe Asn Pro Met Leu Asn Pro Leu Ile
 275 280 285
 Tyr Ser Leu Arg Asn Ala Glu Val Lys Gly Ala Leu Arg Arg Ser Leu
 290 295 300
 Leu Lys Glu Arg Ser Met
 305 310

<210> 1782
 <211> 313
 <212> PRT
 <213> Mus musculus

<400> 1782
 Met Lys Glu Asn Gln Thr Met Val Thr Glu Phe Ile Leu Leu Gly Phe
 1 5 10 15
 Cys Leu Gly Pro Arg Ile His Val Ile Leu Phe Ala Leu Phe Ser Val
 20 25 30

Cys	Tyr	Ile	Phe	Thr	Leu	Leu	Gly	Asn	Gly	Phe	Thr	Leu	Gly	Leu	Ile
		35					40					45			
Cys	Leu	Glu	Pro	Arg	Leu	His	Ser	Pro	Met	Tyr	Phe	Phe	Leu	Ser	Asn
	50					55					60				
Leu	Ala	Thr	Val	Asp	Ile	Ala	Tyr	Ala	Cys	Asn	Thr	Val	Pro	Gln	Thr
65					70					75					80
Leu	Val	Asn	Leu	Leu	Asp	Glu	Thr	Lys	Pro	Ile	Ser	Phe	Ala	Gly	Cys
				85					90					95	
Met	Met	Gln	Thr	Tyr	Leu	Phe	Leu	Thr	Phe	Gly	Ser	Thr	Glu	Cys	Val
			100					105					110		
Leu	Leu	Val	Val	Met	Ser	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	His	Pro
		115					120					125			
Leu	His	Tyr	Thr	Val	Ile	Met	Asn	Trp	Arg	Val	Cys	Thr	Ile	Met	Ala
	130					135					140				
Ala	Val	Ser	Trp	Ile	Phe	Ser	Phe	Leu	Leu	Ala	Leu	Val	His	Leu	Val
145					150					155					160
Leu	Ile	Leu	Arg	Leu	Pro	Phe	Cys	Gly	Pro	His	Glu	Val	Asn	His	Phe
				165					170					175	
Phe	Cys	Glu	Ile	Leu	Ser	Val	Leu	Lys	Leu	Ala	Cys	Ala	Asp	Thr	Thr
			180					185					190		
Leu	Asn	Gln	Val	Val	Ile	Phe	Ala	Ala	Cys	Val	Phe	Ala	Leu	Val	Gly
	195						200					205			
Pro	Leu	Cys	Leu	Val	Leu	Val	Ser	Tyr	Thr	Arg	Ile	Leu	Val	Thr	Ile
	210					215					220				
Leu	Arg	Ile	Gln	Ser	Gly	Glu	Gly	Arg	Arg	Lys	Ala	Phe	Ser	Thr	Cys
225					230					235					240
Ser	Ser	His	Leu	Cys	Val	Val	Gly	Leu	Phe	Phe	Gly	Ser	Ala	Ile	Val
				245					250					255	
Met	Tyr	Ile	Ala	Pro	Lys	Ser	Gln	His	Pro	Glu	Glu	Leu	Gln	Lys	Ile
			260					265					270		
Leu	Phe	Leu	Phe	Tyr	Ser	Phe	Phe	Asn	Pro	Met	Leu	Asn	Pro	Leu	Ile
		275					280					285			
Tyr	Ser	Leu	Arg	Asn	Ala	Glu	Val	Lys	Gly	Ala	Leu	Arg	Arg	Ser	Leu
	290					295					300				
Cys	Asn	Glu	Asn	His	Ser	Gln	Leu	Val							
305					310										

<210> 1783

<211> 310

<212> PRT

<213> Mus musculus

<400> 1783

Met	Gly	Asn	Asn	Met	Thr	Leu	Ile	Thr	Glu	Phe	Ile	Leu	Leu	Gly	Phe
1				5					10					15	
Pro	Leu	Ser	Pro	Arg	Met	Gln	Met	Leu	Leu	Phe	Ala	Leu	Phe	Ser	Leu
			20					25					30		
Phe	Tyr	Ala	Phe	Thr	Leu	Leu	Gly	Asn	Gly	Thr	Ile	Val	Gly	Leu	Ile
		35					40					45			
Cys	Leu	Asp	Ser	Arg	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Ser	His
	50					55				60					
Leu	Ala	Ile	Val	Asp	Ile	Ala	Tyr	Ala	Cys	Asn	Thr	Val	Pro	Gln	Met
65					70					75					80
Leu	Val	Asn	Leu	Leu	Asp	Pro	Val	Lys	Pro	Ile	Ser	Tyr	Ala	Gly	Cys
				85					90					95	
Met	Thr	Gln	Thr	Phe	Leu	Phe	Leu	Thr	Phe	Ala	Ile	Thr	Glu	Cys	Leu
			100					105					110		
Leu	Leu	Val	Val	Met	Ser	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	His	Pro

115	120	125
Leu Arg Tyr Ser Ala Ile Met Ser Trp Arg Val Cys Ser Thr Met Ala		
130	135	140
Val Thr Ser Trp Ile Ile Gly Val Leu Leu Ser Leu Ile His Leu Val		
145	150	155
Leu Leu Leu Pro Leu Pro Phe Cys Val Ser Gln Lys Val Asn His Phe		
165	170	175
Phe Cys Glu Ile Thr Ala Ile Leu Lys Leu Ala Cys Ala Asp Thr His		
180	185	190
Leu Asn Glu Thr Met Val Leu Ala Gly Ala Val Ser Val Leu Val Gly		
195	200	205
Pro Phe Ser Ser Ile Val Val Ser Tyr Ala Cys Ile Leu Gly Ala Ile		
210	215	220
Leu Lys Ile Gln Ser Glu Gly Gln Arg Lys Ala Phe Ser Thr Cys		
225	230	235
Ser Ser His Leu Cys Val Val Gly Leu Phe Tyr Gly Thr Ala Ile Val		
245	250	255
Met Tyr Val Gly Pro Arg His Gly Ser Pro Lys Glu Gln Lys Lys Tyr		
260	265	270
Leu Leu Leu Phe His Ser Leu Phe Asn Pro Met Leu Asn Pro Leu Ile		
275	280	285
Tyr Ser Leu Arg Asn Ser Asp Val Lys Asn Thr Leu Lys Arg Val Leu		
290	295	300
Arg Thr Gln Arg Ala Leu		
305	310	

<210> 1784

<211> 310

<212> PRT

<213> Mus musculus

<400> 1784

Met Met Arg Arg Asn His Thr Val Ile Ser Glu Phe Val Phe Gln Gly	
1	5
Phe Ser Ser Phe Gln Glu Tyr Lys Phe Thr Leu Phe Met Val Phe Leu	
20	25
Thr Leu Tyr Leu Leu Thr Leu Thr Gly Asn Ala Ile Ile Met Ile Ile	
35	40
Ile Gly Ile Asp Arg His Leu His Thr Pro Met Tyr Phe Phe Leu Ser	
50	55
Met Leu Ser Thr Ser Glu Thr Val Tyr Thr Leu Val Ile Val Pro Arg	
65	70
Met Leu Ala Ser Leu Val Gly Ser Ser Gln Ser Ile Ser Leu Ala Gly	
85	90
Cys Ala Thr Gln Met Phe Phe Phe Ile Thr Leu Ala Ile Asn Asn Cys	
100	105
Phe Leu Leu Thr Ala Met Gly Tyr Asp Arg Tyr Val Ala Ile Cys Asn	
115	120
Pro Leu Arg Tyr Ser Val Ile Met Asn Lys Arg Val Cys Ala Gln Leu	
130	135
Val Trp Gly Ser Cys Asn Ile Gly Leu Leu Val Ala Ile Ile Gln Ile	
145	150
Ala Ser Val Phe Arg Ala Pro Phe Cys Asp Arg Glu Val Ala His Tyr	
165	170
Phe Cys Asp Ile Arg Pro Val Met Lys Leu Ser Cys Ala Asp Thr Thr	
180	185
Leu His Asp Ile Val Asn Phe Ile Ile Ser Ser Leu Val Ile Val Val	
195	200
	205

Pro	Met	Gly	Leu	Val	Phe	Ile	Ser	Tyr	Ile	Leu	Ile	Ile	Ser	Thr	Ile
	210					215					220				
Leu	Lys	Ile	Ala	Ser	Ala	Glu	Gly	Arg	Lys	Lys	Ala	Phe	Ala	Thr	Cys
225					230					235					240
Ala	Ser	His	Leu	Thr	Val	Val	Ile	Ile	His	Tyr	Gly	Cys	Ala	Ser	Ile
				245						250					255
Ala	Tyr	Leu	Lys	Pro	Lys	Ser	Glu	Asn	Thr	Arg	Asp	Gln	Asp	Gln	Leu
			260					265					270		
Ile	Ser	Val	Thr	Tyr	Thr	Val	Phe	Thr	Pro	Leu	Leu	Asn	Pro	Val	Val
		275					280					285			
Tyr	Thr	Leu	Arg	Asn	Lys	Glu	Val	Lys	Asp	Ala	Ile	Tyr	Arg	Ala	Ile
	290					295					300				
Gly	Lys	Lys	Pro	Leu	Ala										
305					310										

<210> 1785

<211> 316

<212> PRT

<213> Mus musculus

<400> 1785

Met	Ala	Tyr	Glu	Val	Met	Asn	Gln	Thr	Ser	Ala	Thr	Thr	Phe	Ile	Leu
1				5					10					15	
Val	Gly	Phe	Ser	Glu	Tyr	Pro	Gln	Leu	Gln	Lys	Pro	Leu	Phe	Leu	Leu
			20					25					30		
Phe	Leu	Ala	Ile	Tyr	Ser	Val	Thr	Leu	Val	Gly	Asn	Leu	Gly	Ile	Leu
		35					40				45				
Val	Val	Ile	Lys	Val	Asn	Pro	Lys	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe
	50				55					60					
Leu	Ser	His	Leu	Ser	Phe	Leu	Asp	Ile	Cys	Tyr	Ser	Ser	Val	Phe	Thr
65					70				75						80
Pro	Lys	Leu	Leu	Gln	Ile	Leu	Ile	Met	Glu	Asp	Arg	Thr	Val	Ser	Phe
				85					90					95	
Lys	Ala	Cys	Met	Val	Gln	Phe	Phe	Phe	Ile	Cys	Thr	Phe	Val	Ile	Thr
			100					105					110		
Glu	Met	Phe	Met	Leu	Ala	Val	Met	Ala	Tyr	Asp	Arg	Phe	Val	Ala	Val
		115					120					125			
Cys	Asn	Pro	Leu	Leu	Tyr	Thr	Val	Val	Met	Pro	Phe	Gln	Phe	Cys	Ala
	130					135				140					
Leu	Leu	Val	Ala	Gly	Thr	Tyr	Met	Ile	Gly	Gly	Leu	Cys	Thr	Val	Ile
145					150					155					160
Leu	Leu	Tyr	Thr	Leu	Leu	Gln	Leu	Ser	Tyr	Cys	Glu	Tyr	Gly	Ile	Ile
			165						170					175	
Asn	His	Phe	Gly	Cys	Glu	Tyr	Ser	Ala	Val	Ile	Ser	Val	Ser	Cys	Ser
			180					185					190		
Asp	Ser	Ser	Phe	Ser	Gln	Leu	Thr	Ser	Leu	Val	Ile	Ala	Ile	Val	Ser
		195					200					205			
Glu	Ser	Ser	Ser	Val	Leu	Ile	Thr	Leu	Ala	Ser	Tyr	Val	Phe	Ile	Val
	210					215					220				
Val	Thr	Ile	Ile	Lys	Met	Pro	Ser	Lys	Gly	Gly	Leu	Arg	Lys	Ala	Phe
225					230					235					240
Ser	Thr	Cys	Thr	Ser	His	Leu	Thr	Ala	Ile	Ser	Ile	Phe	His	Gly	Ile
				245					250					255	
Ile	Leu	Leu	Leu	Tyr	Cys	Val	Pro	Asn	Ser	Asn	Ser	Ser	Gln	Leu	Phe
			260					265					270		
Val	Lys	Val	Ala	Thr	Ala	Leu	Tyr	Thr	Ile	Met	Ile	Pro	Met	Leu	Asn
		275					280					285			
Pro	Leu	Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Val	Lys	Asp	Thr	Val	Arg

290		295		300
Arg	Leu	Ile	Ser	Ser
		Lys	Leu	His
305		310	Ser	His
			Leu	Thr
			315	

<210> 1786
 <211> 319
 <212> PRT
 <213> Mus musculus

<400> 1786

Met	Gln	Lys	Pro	Lys	Phe	Leu	Gln	Ile	Met	Ser	Val	Glu	Asn	Ser	Thr
1				5					10					15	
Val	Lys	Thr	Glu	Phe	Tyr	Leu	Leu	Gly	Phe	Ser	Asp	His	Pro	Glu	Leu
			20					25					30		
Gln	Ser	Leu	Leu	Phe	Ala	Val	Phe	Phe	Ser	Ile	Tyr	Ser	Ile	Thr	Leu
		35					40					45			
Met	Gly	Asn	Ile	Gly	Met	Ile	Val	Leu	Ile	Thr	Val	Ser	Pro	Asn	Leu
	50					55					60				
His	Ile	Pro	Met	Tyr	Phe	Phe	Leu	Cys	Met	Leu	Ser	Phe	Ile	Asp	Ala
65					70					75				80	
Cys	Tyr	Ser	Ser	Val	Ile	Ala	Pro	Lys	Leu	Val	Asp	Leu	Ile	Ser	
				85					90					95	
Asp	Lys	Lys	Val	Ile	Ser	Tyr	Asn	Gly	Cys	Ala	Thr	Gln	Leu	Tyr	Phe
			100					105					110		
Phe	Cys	Ser	Leu	Val	Asp	Thr	Glu	Ser	Phe	Leu	Leu	Ala	Ala	Met	Ala
		115					120					125			
Tyr	Asp	Arg	Tyr	Ile	Ala	Ile	Cys	Asn	Pro	Leu	Leu	Tyr	Thr	Val	Ile
	130					135					140				
Met	Ser	Lys	Arg	Val	Cys	Ile	Gln	Leu	Ala	Phe	Gly	Ala	Phe	Leu	Gly
145					150					155					160
Gly	Thr	Met	Ser	Ser	Ile	Ile	His	Thr	Thr	Asn	Thr	Phe	Gln	Leu	Ser
				165					170					175	
Phe	Cys	Ser	Lys	Val	Ile	Asn	His	Phe	Phe	Cys	Asp	Val	Ser	Pro	Leu
			180					185					190		
Phe	Ser	Leu	Ser	Cys	Phe	Asp	Thr	Tyr	Thr	His	Asp	Ile	Ile	Leu	Val
	195						200					205			
Val	Phe	Ala	Ser	Leu	Val	Glu	Ala	Leu	Ser	Leu	Leu	Thr	Val	Leu	Leu
	210					215					220				
Ser	Tyr	Met	Tyr	Ile	Ile	Val	Ala	Ile	Cys	Lys	Ile	Gly	Ser	Ala	Glu
225					230					235					240
Gly	Arg	Lys	Lys	Gly	Phe	Ser	Thr	Cys	Ala	Ser	His	Leu	Ala	Val	Ile
				245					250					255	
Thr	Ile	Tyr	His	Gly	Thr	Leu	Ile	Phe	Ile	Tyr	Leu	Arg	Pro	Ser	Thr
			260					265					270		
Gly	His	Ser	Met	Asn	Ile	Asp	Lys	Met	Thr	Ser	Val	Phe	Tyr	Thr	Leu
	275						280					285			
Ile	Ile	Pro	Met	Leu	Asn	Pro	Leu	Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Asp
	290					295					300				
Val	Lys	Phe	Ala	Phe	Arg	Lys	Ile	Ile	Ser	Lys	Lys	Leu	Phe	Thr	
305					310					315					

<210> 1787
 <211> 316
 <212> PRT
 <213> Mus musculus

<400> 1787

Met	Met	Leu	Asp	Leu	Gly	Asn	Glu	Ser	Ser	Val	Thr	Met	Phe	Ile	Leu
1				5					10					15	
Ser	Gly	Phe	Ser	Glu	Tyr	Pro	His	Leu	His	Ala	Pro	Leu	Phe	Leu	Leu
			20					25					30		
Phe	Phe	Met	Ile	Tyr	Thr	Val	Thr	Leu	Ile	Gly	Asn	Leu	Gly	Ile	Ile
		35					40				45				
Val	Val	Arg	Lys	Val	Asn	Pro	Lys	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe
	50					55					60				
Leu	Ser	His	Leu	Ser	Phe	Leu	Asp	Ile	Cys	Tyr	Ser	Ser	Val	Phe	Thr
65					70					75					80
Pro	Lys	Leu	Leu	Glu	Ile	Leu	Ile	Val	Glu	Asp	Arg	Thr	Ile	Ser	Phe
				85					90					95	
Lys	Gly	Cys	Met	Thr	Gln	Phe	Phe	Phe	Ile	Cys	Ala	Phe	Val	Ile	Thr
			100					105						110	
Glu	Met	Phe	Met	Leu	Ala	Val	Met	Ala	Tyr	Asp	Arg	Phe	Val	Ala	Val
		115					120					125			
Cys	Asn	Pro	Leu	Leu	Tyr	Thr	Val	Ser	Met	Ser	Pro	Lys	Leu	Cys	Ala
	130					135					140				
Phe	Leu	Val	Ala	Gly	Thr	Tyr	Met	Trp	Gly	Val	Leu	Cys	Ser	Leu	Thr
145					150					155					160
Ile	Thr	Tyr	Ser	Leu	Leu	Gln	Leu	Ser	Tyr	Cys	Gly	Pro	Asn	Ile	Ile
				165					170					175	
Asn	His	Phe	Gly	Cys	Glu	Tyr	Ser	Ala	Ile	Leu	Ser	Leu	Ser	Cys	Ser
			180					185						190	
Asp	Pro	Thr	Phe	Ser	Gln	Val	Val	Cys	Leu	Thr	Ile	Ser	Ile	Phe	Asn
		195					200					205			
Glu	Thr	Cys	Ser	Leu	Leu	Ile	Ile	Leu	Ala	Ser	Tyr	Val	Phe	Ile	Val
	210					215					220				
Val	Thr	Ile	Ile	Lys	Met	Pro	Ser	Lys	Gly	Gly	Leu	Gln	Lys	Ala	Phe
225					230					235					240
Ser	Thr	Cys	Ser	Ser	His	Leu	Thr	Ala	Ile	Ser	Ile	Phe	His	Gly	Ile
				245					250					255	
Ile	Leu	Leu	Leu	Tyr	Cys	Val	Pro	Asn	Ser	Lys	Asn	Ser	Trp	Leu	Val
			260					265					270		
Val	Lys	Val	Ala	Thr	Val	Leu	Phe	Thr	Val	Met	Ile	Pro	Met	Leu	Asn
		275					280					285			
Pro	Leu	Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Val	Lys	Gly	Thr	Val	Ser
	290					295					300				
Arg	Leu	Met	His	Leu	Lys	Leu	Gln	Ala	His	Ser	Thr				
305					310					315					

<210> 1788

<211> 310

<212> PRT

<213> Mus musculus

<400> 1788

Met	Ser	Val	Glu	Asn	Ser	Thr	Val	Lys	Thr	Glu	Phe	Tyr	Leu	Leu	Gly
1				5					10					15	
Phe	Ser	Asp	His	Pro	Glu	Leu	Gln	Ser	Leu	Leu	Phe	Ala	Val	Phe	Phe
			20					25					30		
Phe	Ile	Tyr	Ser	Ile	Thr	Leu	Met	Gly	Asn	Ile	Gly	Met	Ile	Leu	Leu
		35					40				45				
Ile	Thr	Val	Ser	Pro	Asn	Leu	His	Ile	Pro	Met	Tyr	Phe	Phe	Leu	Cys
	50					55					60				
Met	Leu	Ser	Phe	Ile	Asp	Ala	Cys	Tyr	Ser	Ser	Val	Ile	Ala	Pro	Lys
65					70					75					80
Leu	Leu	Glu	Asp	Leu	Ile	Ser	Asp	Lys	Lys	Val	Ile	Ser	Tyr	Asn	Gly

Ile	Ile	Asn	His	Phe	Phe	Cys	Asp	Leu	Pro	Pro	Leu	Leu	Lys	Leu	Ser
			180					185					190		
Cys	Thr	Asp	Thr	Ser	Ile	Asn	Glu	Trp	Leu	Leu	Ser	Thr	Tyr	Gly	Ser
		195					200					205			
Ser	Val	Glu	Ile	Ile	Cys	Phe	Phe	Ile	Ile	Ile	Ile	Ser	Tyr	Phe	Phe
	210					215					220				
Ile	Leu	Leu	Ser	Val	Leu	Lys	Ile	Arg	Ser	Thr	Ser	Gly	Arg	Lys	Lys
225					230					235					240
Thr	Phe	Ser	Thr	Cys	Ala	Ser	His	Leu	Thr	Ser	Val	Ala	Ile	Tyr	Gln
				245					250					255	
Gly	Thr	Leu	Leu	Phe	Ile	Tyr	Ser	Arg	Pro	Ser	Ser	Leu	Tyr	Ser	Pro
			260					265					270		
Asn	Thr	Asp	Lys	Ile	Ile	Ser	Val	Phe	Tyr	Thr	Ile	Ile	Ile	Pro	Val
		275					280					285			
Leu	Asn	Pro	Leu	Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Val	Lys	Asp	Ala
	290					295					300				
Ala	Lys	Lys	Ala	Leu	Arg	Ser	Lys	Ile	Gln	Ser	Pro				
305					310					315					

<210> 1790

<211> 313

<212> PRT

<213> Mus musculus

<400> 1790

Met	Ser	Val	Glu	Asn	Ser	Thr	Val	Lys	Thr	Glu	Phe	Tyr	Leu	Leu	Gly
1				5				10						15	
Phe	Ser	Asp	His	Pro	Glu	Leu	Gln	Ser	Leu	Leu	Phe	Ala	Val	Phe	Phe
			20					25					30		
Ser	Ile	Tyr	Ser	Ile	Thr	Leu	Met	Gly	Asn	Ile	Gly	Met	Ile	Val	Leu
		35					40					45			
Ile	Thr	Val	Ser	Pro	Asn	Leu	His	Ile	Pro	Met	Tyr	Phe	Phe	Leu	Trp
	50					55					60				
Met	Leu	Ser	Phe	Ile	Asp	Ala	Cys	Ser	Ser	Ser	Val	Ile	Ala	Pro	Lys
65					70					75					80
Leu	Leu	Val	Asp	Leu	Ile	Ser	Asp	Lys	Lys	Val	Ile	Ser	Tyr	Asn	Gly
				85					90					95	
Cys	Ala	Thr	Gln	Phe	Tyr	Phe	Cys	Cys	Ser	Leu	Val	Asp	Thr	Glu	Ser
			100					105					110		
Phe	Leu	Leu	Ala	Ala	Met	Ala	Tyr	Asp	Arg	Tyr	Ile	Ala	Ile	Cys	Asn
		115					120					125			
Pro	Leu	Leu	Tyr	Thr	Val	Ile	Met	Ser	Lys	Arg	Val	Cys	Thr	Gln	Leu
	130					135					140				
Ala	Phe	Glu	Ala	Phe	Leu	Gly	Gly	Thr	Met	Ser	Ser	Ile	Ile	His	Thr
145					150				155						160
Thr	Asn	Thr	Phe	Gln	Leu	Ser	Phe	Cys	Ser	Lys	Glu	Ile	Asn	His	Phe
				165					170					175	
Phe	Cys	Asp	Met	Thr	Pro	Leu	Phe	Ser	Leu	Ser	Cys	Phe	Asp	Thr	Tyr
		180						185					190		
Thr	His	Asp	Ile	Ile	Leu	Val	Val	Phe	Ala	Ser	Leu	Val	Glu	Ala	Val
		195					200					205			
Cys	Leu	Leu	Ala	Val	Leu	Leu	Ser	Tyr	Met	Tyr	Ile	Ile	Val	Ala	Ile
	210					215					220				
Leu	Lys	Thr	Gly	Ser	Ala	Glu	Gly	Arg	Lys	Lys	Gly	Phe	Ser	Thr	Cys
225					230					235					240
Ala	Ser	His	Leu	Ala	Val	Ile	Thr	Ile	Tyr	His	Gly	Thr	Leu	Ile	Phe
				245					250					255	
Ile	Tyr	Leu	Arg	Pro	Ser	Thr	Gly	His	Ser	Met	Asp	Ile	Asp	Lys	Met

Thr	Ser	Val	260	Phe	Tyr	Thr	Leu	Ile	265	Ile	Pro	Met	Leu	Asn	270	Pro	Leu	Ile
		275						280						285				
Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Val	Lys	Phe	Ala	Phe	Arg	Lys	Ile	Ile			
	290					295						300						
Ser	Lys	Lys	Leu	Phe	Phe	Leu	Val	Ile										
305					310													

<210> 1791
 <211> 316
 <212> PRT
 <213> Mus musculus

<400> 1791

Met	Val	Pro	Leu	Glu	Ile	Asn	Val	Ser	Val	Glu	Ile	Asn	Phe	Val	Leu			
1				5					10					15				
Leu	Gly	Phe	Thr	Asp	Tyr	Pro	Asn	Leu	Gln	Ile	Pro	Leu	Phe	Leu	Ile			
			20				25						30					
Phe	Leu	Phe	Met	Tyr	Ile	Ile	Thr	Val	Val	Gly	Asn	Leu	Gly	Met	Thr			
		35					40					45						
Val	Leu	Ile	Asn	Ile	Asp	His	Lys	Phe	His	Thr	Pro	Met	Tyr	Phe	Phe			
	50					55					60							
Leu	Ser	His	Leu	Ser	Phe	Val	Asp	Phe	Cys	Tyr	Ser	Thr	Ile	Ile	Thr			
65					70					75					80			
Pro	Lys	Leu	Leu	Glu	Asn	Leu	Val	Leu	Ala	Asp	Lys	Thr	Ile	Leu	Tyr			
				85					90					95				
Phe	Ser	Cys	Met	Leu	Gln	Tyr	Phe	Leu	Ser	Cys	Val	Ala	Leu	Val	Ser			
			100					105					110					
Glu	Ser	Tyr	Leu	Leu	Ala	Val	Met	Ala	Tyr	Asp	Arg	Phe	Val	Ala	Ile			
		115					120					125						
Cys	Asn	Pro	Leu	Leu	Tyr	Thr	Val	Ala	Met	Ser	Pro	Arg	Leu	Cys	Ile			
	130					135						140						
Leu	Leu	Val	Thr	Gly	Ser	Tyr	Ile	Trp	Ser	Thr	Phe	Glu	Thr	Leu	Ile			
145					150					155					160			
Leu	Leu	Cys	Tyr	Ala	Leu	Gln	Leu	Lys	Phe	Ser	Arg	Phe	Asn	Val	Ile			
				165					170					175				
Asn	His	Phe	Phe	Cys	Glu	Tyr	Thr	Ala	Leu	Ile	Val	Val	Ser	Ser	Ser			
			180					185					190					
Asp	Ile	His	Ile	Pro	Ser	Leu	Leu	Phe	Cys	Phe	Ala	Thr	Phe	Asn				
		195					200					205						
Glu	Val	Ser	Thr	Leu	Leu	Ile	Ile	Leu	Thr	Ser	Tyr	Val	Leu	Ile	Phe			
	210					215					220							
Val	Thr	Val	Leu	Lys	Ile	Lys	Ser	Ala	Ser	Gly	Arg	Arg	Lys	Ala	Phe			
225					230					235				240				
Ser	Thr	Cys	Ala	Ser	His	Leu	Thr	Ala	Ile	Thr	Ile	Phe	His	Gly	Thr			
				245					250					255				
Ile	Leu	Ser	Leu	Tyr	Cys	Val	Pro	Asn	Ser	Lys	Asn	Ser	Arg	Asn	Ala			
			260					265					270					
Val	Lys	Val	Ala	Ser	Val	Phe	Tyr	Ala	Val	Val	Asn	Pro	Leu	Leu	Asn			
		275					280					285						
Pro	Leu	Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Val	Lys	Glu	Val	Phe	Gln			
	290					295					300							
Lys	Leu	Val	Ser	Thr	Ser	Leu	Lys	Phe	Gln	Leu	His							
305					310					315								

<210> 1792
 <211> 313

<212> PRT

<213> Mus musculus

<400> 1792

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Met Thr Leu Ser Asp Gly Asn His Ser Gly Ala Val Phe Thr Leu Leu
 1      5      10      15
Gly Phe Ser Asp Tyr Pro Glu Leu Thr Ile Pro Leu Phe Leu Phe
 20      25      30
Leu Thr Ile Tyr Ser Ile Thr Val Val Gly Asn Ile Gly Met Ile Val
 35      40      45
Ile Ile Arg Ile Asn Pro Lys Leu His Ile Pro Met Tyr Phe Phe Leu
 50      55      60
Ser His Leu Ser Phe Val Asp Phe Cys Tyr Ser Ile Val Ala Pro
 65      70      75      80
Lys Met Leu Val Asn Leu Val Thr Met Asn Arg Gly Ile Ser Phe Val
 85      90      95
Gly Cys Leu Val Gln Phe Phe Phe Phe Cys Thr Phe Val Val Thr Glu
100      105      110
Ser Phe Leu Leu Gly Val Met Ala Tyr Asp Arg Phe Val Ala Ile Arg
115      120      125
Asn Pro Leu Leu Tyr Thr Val Ala Met Ser Gln Arg Leu Cys Ala Met
130      135      140
Leu Val Leu Gly Ser Tyr Ala Trp Gly Val Val Cys Ser Leu Ile Leu
145      150      155      160
Thr Cys Ser Ala Leu Asn Leu Ser Phe Tyr Gly Phe Asn Met Ile Asn
165      170      175
His Phe Phe Cys Glu Phe Ser Ser Leu Leu Ser Leu Ser Arg Ser Asp
180      185      190
Thr Ser Val Ser Gln Leu Leu Leu Phe Val Phe Ala Thr Phe Asn Glu
195      200      205
Ile Ser Thr Leu Leu Ile Ile Leu Leu Ser Tyr Val Leu Ile Val Val
210      215      220
Thr Ile Leu Lys Met Lys Ser Ala Ser Gly Arg Arg Lys Ala Phe Ser
225      230      235      240
Thr Cys Ala Ser His Leu Thr Ala Ile Thr Ile Phe His Gly Thr Ile
245      250      255
Leu Phe Leu Tyr Cys Val Pro Asn Ser Lys Asn Ser Arg His Thr Val
260      265      270
Lys Val Ala Ser Val Phe Tyr Thr Val Val Ile Pro Met Leu Asn Pro
275      280      285
Leu Ile Tyr Ser Leu Arg Asn Lys Asp Val Lys Asp Thr Val Lys Lys
290      295      300
Ile Ile Gly Thr Lys Val Tyr Ser Ser
305      310
```

<210> 1793

<211> 314

<212> PRT

<213> Mus musculus

<400> 1793

```
Met Ile Leu Thr Asp Ile Asn Leu Thr Ser Glu Val Thr Phe Ala Leu
 1      5      10      15
Leu Gly Phe Ser Asp Tyr Pro Glu Leu Gln Val Pro Leu Phe Leu Leu
 20      25      30
Phe Leu Ala Ile Tyr Ser Phe Ser Val Val Gly Asn Ile Gly Met Met
 35      40      45
Ile Ile Ile Lys Ile Asn Pro Lys Leu His Thr Pro Met Tyr Phe Phe
```

50		55		60
Leu Ser His Leu Ser Phe	Ala Asp Phe Cys Tyr Ser Ser Ile Ile Ala			
65	70	75	80	
Pro Lys Met Leu Val Asn Leu Val Val Glu Asp Arg Thr Ile Ser Phe				
	85	90	95	
Leu Gly Cys Ile Met Gln Phe Phe Phe Cys Thr Phe Val Val Thr				
	100	105	110	
Glu Leu Ile Leu Phe Ala Val Met Ala Tyr Asp Arg Phe Val Ala Val				
	115	120	125	
Cys Asn Pro Leu Leu Tyr Thr Val Val Met Ser Gln Arg Leu Cys Ala				
	130	135	140	
Leu Leu Val Leu Gly Ser Tyr Ala Trp Gly Val Val Cys Ser Leu Thr				
145	150	155	160	
Leu Thr Cys Ser Ala Leu Asn Leu Tyr Phe Arg Gly Phe Asn Thr Ile				
	165	170	175	
Asn His Phe Phe Cys Glu Leu Ser Ser Leu Ile Ala Leu Ser Cys Ser				
	180	185	190	
Asp Ser His Leu Thr Gln Leu Leu Leu Phe Ile Val Ala Thr Phe Asn				
	195	200	205	
Glu Ile Ser Thr Leu Leu Ile Ile Leu Thr Ser Tyr Leu Phe Ile Val				
	210	215	220	
Val Thr Ala Leu Lys Met His Ser Ser Ser Gly His Arg Lys Val Phe				
225	230	235	240	
Ser Thr Cys Ala Ser His Met Thr Ala Ile Thr Ile Phe His Gly Thr				
	245	250	255	
Ile Leu Phe Leu Tyr Cys Val Pro Asn Ser Lys Asn Ser Arg His Thr				
	260	265	270	
Val Lys Val Ala Ser Leu Phe Tyr Thr Val Val Ile Pro Met Leu Asn				
	275	280	285	
Pro Leu Ile Tyr Ser Leu Arg Asn Lys Asp Val Lys Asp Thr Val Ser				
	290	295	300	
Lys Leu Met Asn Val Arg Lys Phe Ser Gln				
305	310			

<210> 1794
 <211> 311
 <212> PRT
 <213> Mus musculus

<400> 1794
Met Asp Glu Gly Asn Cys Ser Ser Ile Thr Glu Phe Ile Leu Leu Gly
1 5 10 15
Ile Thr Asp Asp Pro Ser Met Lys Val Val Leu Phe Ile Ser Phe Leu
20 25 30
Ile Ile Tyr Leu Ile Ile Leu Val Ala Asn Ile Gly Ile Ile Val Leu
35 40 45
Ile Arg Ile Asp Pro Gln Leu His Thr Pro Met Tyr Phe Phe Leu Ser
50 55 60
His Leu Ser Phe Ser Asp Leu Cys Tyr Ser Thr Ala Val Gly Pro Lys
65 70 75 80
Met Leu Val Asp Leu Leu Ala Lys His Lys Ser Leu Ser Phe Leu Gly
85 90 95
Cys Ala Leu Gln Phe Phe Phe Thr Cys Val Phe Ile Asp Val Glu Cys
100 105 110
Val Leu Leu Ala Val Met Ala Phe Asp Arg Tyr Lys Ala Ile Ser Asn
115 120 125
Pro Leu Met Tyr Val Val Asp Met Ser Ser Arg Phe Cys Tyr Gln Leu
130 135 140

Leu	Ala	Gly	Val	Tyr	Val	Leu	Ala	Met	Ile	Asp	Thr	Leu	Met	Gln	Thr
145					150					155				160	
Ile	Ile	Thr	Phe	Gly	Leu	Cys	Phe	Cys	Arg	Ser	Asn	Glu	Ile	Asn	His
				165					170					175	
Phe	Phe	Cys	Asp	Leu	Pro	Pro	Ile	Leu	Leu	Leu	Ser	Cys	Ser	Asp	Ile
			180					185					190		
Tyr	Val	Asn	Glu	Leu	Ala	Leu	Phe	Val	Phe	Ser	Gly	Phe	Val	Glu	Leu
		195					200					205			
Cys	Thr	Ile	Ser	Gly	Leu	Leu	Val	Ser	Tyr	Ser	Tyr	Ile	Ile	Ala	Ser
	210					215					220				
Val	Leu	Lys	Ile	Ser	Ser	Asp	Glu	Gly	Arg	Phe	Lys	Ala	Phe	Ser	Thr
225					230					235					240
Cys	Ala	Ser	His	Leu	Thr	Ala	Val	Ala	Ile	Phe	Gln	Gly	Thr	Leu	Leu
				245					250					255	
Phe	Met	Tyr	Phe	Arg	Pro	Ser	Ser	Ser	Tyr	Ser	Leu	Asp	Gln	Asp	Lys
			260					265					270		
Thr	Thr	Ser	Leu	Phe	Tyr	Thr	Leu	Val	Ile	Pro	Met	Leu	Asn	Pro	Leu
		275					280					285			
Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Val	Lys	Glu	Ala	Leu	Tyr	Lys	Leu
	290					295					300				
Arg	Asn	Lys	Arg	Ser	Phe	Lys									
305					310										

<210> 1795

<211> 326

<212> PRT

<213> Mus musculus

<400> 1795

Met	Asn	Ser	Val	Val	Ser	Ser	Asn	Arg	Ser	Gln	Val	Trp	Asn	Glu	Gly
1				5					10					15	
Asn	Arg	Ser	Met	Val	Ala	Ser	Phe	Ile	Leu	Leu	Ala	Phe	Ser	Glu	Phe
			20					25					30		
Pro	Asn	Leu	Gln	Leu	Pro	Leu	Phe	Leu	Val	Phe	Leu	Ile	Met	Tyr	Met
			35				40					45			
Val	Thr	Val	Leu	Glu	Asn	Leu	Gly	Met	Ile	Phe	Ile	Ile	Arg	Met	Asn
	50					55					60				
Pro	Lys	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Ser	His	Leu	Ser	Phe
65					70					75					80
Val	Asp	Phe	Cys	Tyr	Thr	Ser	Val	Ile	Ala	Pro	Lys	Leu	Leu	Asp	Leu
				85					90					95	
Leu	Ile	Val	Glu	Asp	Lys	Ser	Ile	Ser	Phe	Glu	Gly	Cys	Met	Ala	Gln
			100					105					110		
Tyr	Phe	Leu	Gly	Cys	Thr	Phe	Val	Ile	Ile	Glu	Met	Phe	Met	Leu	Ala
	115					120						125			
Val	Met	Ala	Tyr	Asp	Arg	Phe	Val	Ala	Val	Cys	Asn	Pro	Leu	Leu	Tyr
	130					135					140				
Thr	Val	Ala	Met	Ser	His	Glu	Leu	Cys	Ser	Leu	Leu	Val	Val	Ile	Thr
145					150					155					160
Tyr	Ile	Trp	Ala	Gly	Ile	Phe	Ser	Ser	Thr	Leu	Thr	Tyr	Ile	Leu	Leu
				165					170					175	
Gln	Leu	Ser	Tyr	Cys	Gly	Pro	Asn	Val	Ile	Asp	His	Phe	Cys	Cys	Glu
			180					185					190		
Tyr	Ser	Ala	Leu	Leu	Ser	Val	Ser	Cys	Ser	Asp	Thr	Ser	Phe	Ser	Gln
		195					200					205			
Met	Ala	Cys	Leu	Val	Ile	Ser	Met	Phe	Asn	Glu	Ala	Cys	Cys	Leu	Leu
	210					215					220				
Ile	Ile	Ile	Thr	Ser	Tyr	Val	Phe	Ile	Val	Val	Thr	Val	Ile	Lys	Ile

225					230					235					240
Pro	Thr	Lys	Gly	Ala	Phe	Arg	Lys	Ala	Phe	Ser	Thr	Cys	Ala	Ser	His
				245					250					255	
Leu	Thr	Ala	Ile	Gly	Val	Cys	His	Gly	Ile	Val	Leu	Leu	Leu	Tyr	Cys
			260					265					270		
Val	Leu	Lys	Ser	Lys	Ser	Ser	Leu	Phe	Leu	Val	Lys	Val	Ala	Thr	Val
		275					280					285			
Phe	His	Ser	Met	Val	Ile	Pro	Met	Leu	Asn	Pro	Leu	Ile	Tyr	Ser	Leu
	290					295				300					
Arg	Asn	Lys	Asp	Val	Lys	Glu	Thr	Val	Arg	Lys	Leu	Ile	Tyr	Leu	Lys
305					310					315					320
Cys	Ile	Phe	His	Ser	Ile										
				325											

<210> 1796

<211> 318

<212> PRT

<213> Mus musculus

<400> 1796

Met	Gln	Phe	Ile	Lys	Gln	Arg	Arg	Met	Glu	Val	Gly	Asn	Cys	Ser	Ala
1				5					10					15	
Thr	Glu	Phe	Leu	Leu	Leu	Gly	Ile	Thr	Asn	Asn	Pro	Val	Ile	Lys	Val
			20					25					30		
Ile	Leu	Phe	Thr	Thr	Phe	Leu	Ile	Val	Tyr	Leu	Ile	Ile	Leu	Ile	Glu
		35				40					45				
Asn	Leu	Gly	Met	Ile	Ile	Leu	Ile	Arg	Met	Asn	Ser	Gln	Leu	His	Thr
50					55					60					
Pro	Met	Tyr	Phe	Phe	Leu	Ser	His	Leu	Ser	Phe	Ser	Asp	Ile	Cys	Tyr
65					70				75					80	
Ser	Thr	Ala	Val	Gly	Pro	Lys	Met	Leu	Val	Gly	Leu	Ile	Phe	Lys	Asn
				85				90						95	
Asn	Ser	Ile	Pro	Phe	Ile	Asp	Cys	Ala	Val	Gln	Phe	Phe	Ile	Phe	Cys
			100					105					110		
Ile	Phe	Thr	Asp	Ala	Glu	Cys	Val	Leu	Leu	Ala	Val	Met	Ala	Phe	Asp
		115					120					125			
Arg	Tyr	Lys	Ala	Ile	Ser	Asn	Pro	Leu	Met	Tyr	Ala	Val	Asp	Met	Ser
	130					135					140				
Arg	Val	Val	Cys	Tyr	Gln	Leu	Leu	Ala	Val	Val	Tyr	Leu	Val	Gly	Met
145					150				155					160	
Val	Asp	Ala	Leu	Thr	His	Thr	Thr	Leu	Thr	Phe	His	Leu	Cys	Phe	Cys
				165				170						175	
Gln	Ser	Lys	Glu	Ile	Asn	His	Phe	Phe	Cys	Asp	Val	Pro	Pro	Leu	Leu
			180				185						190		
Leu	Leu	Ser	Cys	Ser	Asp	Thr	Glu	Val	Asn	Glu	Leu	Val	Ile	Phe	Thr
		195					200					205			
Leu	Phe	Gly	Phe	Ile	Glu	Leu	Ser	Thr	Ile	Ser	Gly	Val	Leu	Val	Ser
	210					215					220				
Tyr	Cys	Tyr	Ile	Ile	Ser	Ser	Val	Leu	Lys	Ile	Arg	Ser	Ala	Glu	Gly
225					230				235					240	
Arg	Phe	Lys	Ala	Phe	Ser	Thr	Cys	Thr	Ser	His	Leu	Thr	Val	Val	Ala
				245					250					255	
Ile	Phe	Gln	Gly	Thr	Met	Leu	Phe	Met	Tyr	Phe	Arg	Pro	Ser	Ser	Ala
		260					265						270		
Tyr	Ser	Leu	Asp	Gln	Asp	Lys	Met	Thr	Ser	Leu	Phe	Tyr	Thr	Leu	Val
		275					280					285			
Ile	Pro	Met	Leu	Asn	Pro	Leu	Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Val
	290					295				300					

Lys Ala Ser Val Lys Arg Ser Leu Gln Ser Arg Ile Ser Phe
 305 310 315

<210> 1797
 <211> 311
 <212> PRT
 <213> Mus musculus

<400> 1797
 Met Asp Lys Gly Asn Cys Ser Thr Leu Thr Glu Phe Leu Leu Leu Gly
 1 5 10 15
 Ile Thr Ser Asn Pro Glu Val Lys Val Phe Leu Phe Thr Met Phe Leu
 20 25 30
 Val Val Tyr Leu Thr Asn Leu Leu Thr Asn Leu Gly Met Ile Ile Leu
 35 40 45
 Ile Arg Met Asp Pro Gln Leu His Thr Pro Met Tyr Phe Phe Leu Ser
 50 55 60
 His Leu Ser Phe Ser Asp Leu Cys Tyr Ser Thr Ala Val Gly Pro Lys
 65 70 75 80
 Met Leu Val Asp Leu Leu Ser Lys Asn Thr Ser Ile Pro Phe Leu Gly
 85 90 95
 Cys Ala Met Gln Phe Phe Thr Phe Cys Ile Phe Ile Asp Ala Glu Cys
 100 105 110
 Val Leu Leu Ala Val Met Ala Phe Asp Arg Tyr Lys Ala Ile Ser Asn
 115 120 125
 Pro Leu Leu Tyr Ala Val Asp Met Ser Arg Lys Val Cys Phe Gln Leu
 130 135 140
 Leu Thr Gly Val Tyr Ser Val Ala Leu Ala Asp Ala Leu Ile His Thr
 145 150 155 160
 Thr Leu Thr Phe His Leu Cys Phe Cys Gly Ser Asn Glu Ile Asn His
 165 170 175
 Phe Phe Cys Asp Ile Pro Pro Val Leu Val Leu Ser Cys Ser Asp Thr
 180 185 190
 Gln Val Asn Val Leu Val Ile Phe Thr Val Phe Gly Phe Ile Glu Leu
 195 200 205
 Ser Thr Ile Ser Gly Val Leu Ile Ser Tyr Cys Tyr Ile Ile Ser Ser
 210 215 220
 Val Leu Lys Ile Ser Ser Ala Ala Gly Arg Leu Lys Ala Phe Ser Thr
 225 230 235 240
 Cys Thr Ser His Leu Thr Ala Val Ala Ile Phe Gln Gly Thr Met Leu
 245 250 255
 Phe Met Tyr Phe Arg Pro Ser Ser Ser Tyr Ser Leu Asp Gln Asp Lys
 260 265 270
 Val Thr Ser Leu Phe Tyr Thr Leu Val Ile Pro Met Leu Asn Pro Leu
 275 280 285
 Ile Tyr Ser Leu Arg Asn Lys Asp Val Lys Glu Ala Leu Gln Arg Ile
 290 295 300
 Arg Ser Lys Met Cys Leu Lys
 305 310

<210> 1798
 <211> 308
 <212> PRT
 <213> Mus musculus

<400> 1798
 Met Asp Arg Gly Asn Cys Ser Ser Val Asp Glu Phe Ile Phe Leu Gly

1				5				10					15				
Ile	Thr	Asn	Asn	Pro	Val	Lys	Lys	Val	Ala	Leu	Phe	Thr	Thr	Phe	Leu		
			20					25					30				
Val	Val	Tyr	Leu	Ile	Thr	Leu	Leu	Ala	Asn	Leu	Gly	Ile	Ile	Ile	Leu		
		35					40					45					
Ile	Arg	Met	Asn	Thr	Gln	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Ser		
	50					55					60						
Asn	Leu	Ser	Phe	Cys	Asp	Phe	Cys	Tyr	Ser	Thr	Ala	Ile	Gly	Pro	Lys		
65				70					75						80		
Met	Leu	Val	Asp	Leu	Leu	Ala	Ala	Glu	Lys	Ser	Ile	Pro	Phe	Phe	Gly		
			85					90						95			
Cys	Ala	Val	Gln	Phe	Leu	Ile	Phe	Cys	Val	Phe	Ala	Asp	Ser	Glu	Cys		
			100					105					110				
Leu	Leu	Leu	Ala	Val	Met	Ala	Phe	Asp	Arg	Tyr	Gln	Ala	Ile	Ser	Asn		
		115						120				125					
Pro	Leu	Leu	Tyr	Thr	Val	Asn	Met	Ser	Ser	Met	Val	Cys	Phe	Met	Leu		
	130					135					140						
Met	Thr	Gly	Val	Tyr	Leu	Val	Ala	Thr	Thr	Asp	Gly	Leu	Ile	His	Thr		
145					150					155					160		
Ile	Leu	Ala	Phe	Arg	Leu	Cys	Phe	Cys	Gly	Ser	Asn	Glu	Ile	Asn	His		
			165						170					175			
Phe	Phe	Cys	Asp	Leu	Pro	Pro	Leu	Tyr	Leu	Leu	Ser	Cys	Ser	Glu	Ile		
			180					185					190				
Gln	Val	Asn	Glu	Leu	Ala	Leu	Phe	Thr	Val	Phe	Gly	Phe	Ile	Glu	Leu		
		195					200					205					
Ser	Thr	Ile	Ser	Gly	Val	Leu	Val	Ser	Tyr	Cys	Tyr	Ile	Ile	Leu	Ser		
	210					215					220						
Val	Leu	Lys	Ile	Arg	Ser	Ala	Glu	Gly	Arg	Phe	Lys	Ala	Phe	Ser	Thr		
225					230					235					240		
Cys	Thr	Ser	His	Leu	Thr	Thr	Val	Ala	Ile	Phe	Gln	Gly	Thr	Met	Leu		
			245						250					255			
Phe	Met	Tyr	Phe	Arg	Pro	Ser	Ser	Ser	Tyr	Ser	Leu	Asp	Gln	Asp	Lys		
			260					265					270				
Met	Thr	Ser	Leu	Phe	Tyr	Thr	Leu	Val	Ile	Pro	Met	Leu	Asn	Pro	Leu		
		275					280					285					
Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Val	Lys	Glu	Ala	Leu	Gln	Arg	Leu		
	290					295					300						
Lys	Met	Lys	Met														
305																	

<210> 1799

<211> 311

<212> PRT

<213> Mus musculus

<400> 1799

Met	Asp	Lys	Glu	Asn	Cys	Ser	Ser	Leu	Pro	Glu	Leu	Leu	Leu	Leu	Glu		
1				5				10					15				
Ile	Thr	Asn	Asn	Pro	Asp	Met	Lys	Val	Leu	Ile	Leu	Thr	Val	Phe	Leu		
		20						25				30					
Ala	Ile	Asn	Leu	Ile	Val	Leu	Ile	Ile	Asn	Ile	Gly	Met	Ile	Ile	Phe		
		35					40				45						
Ile	Lys	Met	Asn	Pro	Gln	Leu	Gln	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Ser		
	50					55					60						
His	Leu	Phe	Phe	Ser	Asp	Leu	Ser	Tyr	Ser	Ser	Ala	Ile	Gly	Ser	Lys		
65				70					75						80		
Met	Leu	Ile	Asp	Ile	Phe	Ser	Lys	Tyr	Lys	Thr	Ile	Pro	Leu	Leu	Phe		
			85					90					95				

Val	Pro	Phe	Asp	Ser	Phe	Phe	Val	Cys	Ile	Phe	Ile	Asp	Val	Glu	Cys	
			100					105					110			
Val	Leu	Pro	Ala	Val	Met	Ala	Phe	Asp	Gln	Tyr	Lys	Ala	Ile	Ser	His	
		115					120					125				
Pro	Val	Ile	Tyr	Ala	Ile	Asp	Met	Ser	Asn	Arg	Val	Cys	Tyr	Gln	Phe	
	130					135					140					
Leu	Ala	Gly	Val	Tyr	Leu	Val	Gly	Met	Thr	Asp	Ala	Leu	Ile	His	Arg	
145					150					155					160	
Thr	Leu	Thr	Phe	Cys	Leu	Cys	Phe	Cys	Glu	Ser	His	Glu	Ile	Asn	His	
				165					170					175		
Phe	Phe	Cys	Asp	Ile	Pro	Pro	Ile	Leu	Leu	Leu	Ser	Cys	Leu	Asn	Thr	
			180					185					190			
Gln	Phe	Asn	Glu	Leu	Met	Ile	Phe	Thr	Ile	Phe	Gly	Phe	Ile	Gln	Leu	
		195					200					205				
Ser	Thr	Ile	Ser	Glu	Val	Leu	Val	Ser	Tyr	Cys	Ser	Ile	Ile	Leu	Ser	
	210					215					220					
Val	Leu	Lys	Ile	His	Ser	Ala	Lys	Gly	Arg	Phe	Lys	Ala	Phe	Ser	Thr	
225					230					235					240	
Cys	Thr	Leu	His	Leu	Thr	Ala	Val	Ala	Ile	Phe	Gln	Gly	Thr	Leu	Leu	
				245					250					255		
Phe	Thr	Tyr	Phe	Gln	Pro	Ser	Thr	Ser	Tyr	Ser	Leu	Asp	Gln	Asp	Lys	
			260					265					270			
Met	Thr	Ser	Leu	Phe	Tyr	Thr	Leu	Met	Ile	Pro	Met	Leu	Asn	Pro	Leu	
		275					280					285				
Ile	Tyr	Ser	Leu	Arg	Tyr	Lys	Asp	Val	Lys	Glu	Thr	Leu	Gln	Asn	Leu	
	290					295					300					
Glu	Asn	Lys	Arg	Trp	Cys	Lys										
305					310											

<210> 1800

<211> 315

<212> PRT

<213> Mus musculus

<400> 1800

Met	Ile	Gln	Asn	Ile	Ser	Glu	Leu	Ser	Glu	Phe	Ile	Leu	Val	Gly	Leu	
1				5					10					15		
Thr	Asp	Ala	Pro	Phe	Leu	Gln	Ile	Pro	Leu	Phe	Ile	Ile	Phe	Thr	Leu	
			20					25					30			
Ile	Tyr	Leu	Thr	Thr	Leu	Phe	Gly	Asn	Leu	Gly	Met	Ile	Leu	Leu	Ile	
		35					40					45				
Leu	Leu	Asp	Ser	Arg	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Ser	Asn	
	50					55					60					
Leu	Ser	Leu	Val	Asp	Cys	Val	Tyr	Ala	Ser	Ala	Val	Thr	Pro	Lys	Val	
65					70					75					80	
Met	Glu	Gly	Phe	Leu	Thr	Gly	Asn	Lys	Ile	Ile	Ser	Tyr	Asn	Ala	Cys	
				85					90					95		
Ala	Ala	Gln	Met	Phe	Phe	Phe	Ala	Ala	Phe	Ala	Thr	Val	Glu	Ser	Phe	
			100					105					110			
Met	Leu	Ala	Ser	Met	Ala	Tyr	Asp	Arg	His	Ala	Ala	Val	Cys	Lys	Pro	
		115					120					125				
Leu	His	Tyr	Ser	Thr	Thr	Met	Thr	Thr	Thr	Ile	Cys	Val	Leu	Leu	Leu	
	130					135					140					
Ala	Gly	Ser	Tyr	Val	Ser	Gly	Leu	Leu	Gln	Ser	Ser	Ile	His	Val	Ser	
145					150					155					160	
Phe	Thr	Phe	Gln	Leu	Ser	Phe	Cys	His	Ser	Asn	Val	Val	Asn	His	Phe	
				165					170					175		
Phe	Cys	Asp	Ile	Pro	Pro	Leu	Leu	Ala	Leu	Ser	Cys	Ser	Ser	Ile	His	

			180					185					190				
Thr	Asn	Glu	Ile	Ile	Leu	Phe	Met	Leu	Ala	Ala	Phe	Asn	Val	Ala	Phe		
		195					200					205					
Thr	Leu	Leu	Val	Ile	Leu	Ser	Ser	Tyr	Leu	Leu	Ile	Phe	Val	Ala	Ile		
	210					215					220						
Leu	Arg	Met	Arg	Ser	Ala	Glu	Ser	Arg	Lys	Lys	Ala	Ile	Ser	Thr	Cys		
225					230					235					240		
Ala	Ser	His	Leu	Thr	Thr	Val	Ser	Ile	Phe	Tyr	Gly	Thr	Ile	Ile	Phe		
			245						250					255			
Met	Tyr	Leu	Gln	Pro	Ser	Ser	Asn	His	Ser	Met	Asp	Thr	Asp	Lys	Met		
		260					265					270					
Ala	Ser	Val	Phe	Tyr	Thr	Met	Val	Ile	Pro	Met	Leu	Asn	Pro	Leu	Val		
	275					280						285					
Tyr	Ser	Leu	Arg	Asn	Lys	Glu	Val	Lys	Asn	Ala	Phe	Lys	Lys	Val	Ala		
	290				295					300							
Gly	Lys	Ala	Val	Leu	Ser	Leu	Gly	Leu	Val	Asn							
305				310						315							

<210> 1801

<211> 313

<212> PRT

<213> Mus musculus

<400> 1801

Met	His	Asn	Ile	Ser	Glu	Val	Thr	Glu	Phe	Ile	Leu	Val	Gly	Leu	Thr		
1				5				10					15				
Asp	Ala	Pro	Gly	Leu	Gln	Val	Pro	Leu	Phe	Ile	Ile	Phe	Thr	Phe	Ile		
		20					25					30					
Tyr	Leu	Thr	Thr	Leu	Phe	Gly	Asn	Leu	Gly	Met	Ile	Val	Leu	Ile	Leu		
	35					40					45						
Leu	Asp	Ser	Ser	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Ser	Asn	Leu		
	50				55					60							
Ser	Leu	Val	Asp	Cys	Val	Tyr	Ala	Ser	Ala	Val	Thr	Pro	Lys	Val	Ile		
65				70					75						80		
Glu	Gly	Phe	Leu	Thr	Glu	Lys	Lys	Ile	Ile	Ser	Tyr	Asn	Ala	Cys	Ala		
		85					90					95					
Thr	Gln	Met	Phe	Phe	Leu	Ile	Gly	Phe	Ala	Ile	Ile	Glu	Gly	Phe	Leu		
	100						105					110					
Leu	Ala	Ser	Met	Ala	Tyr	Asp	Arg	His	Ala	Ala	Val	Cys	Lys	Pro	Leu		
	115				120						125						
Tyr	Tyr	Ser	Thr	Ser	Met	Thr	Thr	Thr	Ile	Cys	Thr	Leu	Leu	Ile	Val		
	130				135						140						
Gly	Ser	Tyr	Ile	Ser	Gly	Leu	Leu	Gln	Ser	Ser	Ile	His	Val	Ala	Phe		
145				150					155						160		
Thr	Phe	His	Leu	Ser	Phe	Cys	His	Ser	Asn	Val	Val	Asn	His	Phe	Phe		
		165							170					175			
Cys	Asp	Ile	Pro	Pro	Leu	Leu	Ala	Leu	Ser	Cys	Ser	Ser	Val	Tyr	Ile		
		180					185					190					
Asn	Glu	Ile	Val	Leu	Phe	Ile	Leu	Ala	Ala	Leu	Asn	Ile	Ala	Leu	Thr		
	195						200					205					
Ile	Leu	Val	Ile	Val	Asn	Ser	Tyr	Val	Leu	Ile	Phe	Val	Ala	Ile	Leu		
	210				215						220						
Arg	Met	Arg	Ser	Thr	Asp	Gly	Gln	Lys	Lys	Ala	Ile	Ser	Thr	Cys	Ala		
225				230					235						240		
Ser	His	Leu	Thr	Thr	Val	Ser	Ile	Phe	Tyr	Gly	Thr	Ile	Ile	Phe	Met		
		245						250						255			
Tyr	Leu	Gln	Pro	Ser	Ser	Thr	His	Ser	Met	Asp	Thr	Asp	Lys	Val	Ala		
	260						265						270				

Ser	Val	Phe	Tyr	Thr	Met	Ile	Ile	Pro	Met	Leu	Asn	Pro	Leu	Val	Tyr
		275					280					285			
Ser	Leu	Arg	Asn	Lys	Glu	Val	Lys	Asn	Ala	Phe	Lys	Lys	Val	Thr	Arg
	290					295					300				
Lys	Val	Leu	Phe	Ser	Leu	Gly	Leu	Val							
305					310										

<210> 1802
 <211> 315
 <212> PRT
 <213> Mus musculus

<400> 1802

Met	Ala	Asp	Asn	Gly	Thr	Arg	Leu	Thr	Glu	Phe	Ile	Leu	Met	Gly	Phe
1				5					10					15	
Gln	Leu	Gln	Ala	Glu	Leu	Gln	Leu	Gly	Leu	Phe	Phe	Thr	Phe	Leu	Thr
			20					25					30		
Phe	Tyr	Leu	Ile	Thr	Ile	Ala	Gly	Asn	Leu	Gly	Met	Ile	Met	Leu	Ile
	35						40					45			
Gln	Ser	Asp	Pro	Arg	Leu	Gln	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Ser	His
	50					55					60				
Leu	Ser	Phe	Leu	Asp	Ile	Cys	Tyr	Ser	Ser	Val	Ile	Val	Pro	Gln	Leu
65					70					75					80
Leu	Glu	Ile	Leu	Gly	Asn	Asn	Lys	Met	Val	Ile	Thr	Tyr	Glu	His	Cys
				85					90					95	
Ala	Thr	Gln	Phe	Phe	Phe	Phe	Thr	Phe	Tyr	Ala	Ser	Thr	Glu	Cys	Phe
			100					105					110		
Leu	Leu	Ala	Val	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Val	Cys	Asn	Pro
		115					120					125			
Leu	Leu	Tyr	Ala	Met	Ala	Met	Thr	Pro	Gln	Thr	Arg	Leu	Gly	Leu	Val
	130						135				140				
Ala	Ala	Ala	Tyr	Ser	Gly	Ala	Met	Val	Asn	Thr	Val	Val	Arg	Thr	Gly
145					150					155					160
Cys	Thr	Phe	Ser	Ile	Ser	Phe	Cys	Lys	Ser	Asn	Gln	Val	Asp	Phe	Leu
			165						170					175	
Phe	Cys	Asp	Leu	Pro	Pro	Leu	Met	Lys	Leu	Ala	Cys	Ser	Glu	Thr	Lys
		180						185					190		
Leu	Gln	Glu	Gln	Val	Ile	Phe	Leu	Phe	Ala	Phe	Leu	Val	Ile	Ile	Thr
	195						200					205			
Ser	Val	Ser	Val	Ile	Leu	Val	Ser	Tyr	Leu	Phe	Ile	Ile	Trp	Ala	Ile
	210					215					220				
Leu	Lys	Ile	Arg	Thr	Ala	Gly	Ala	Lys	Ala	Lys	Thr	Phe	Ser	Thr	Cys
225					230					235					240
Ala	Ser	His	Met	Ile	Ala	Val	Ala	Leu	Phe	Phe	Gly	Thr	Ile	Ile	Phe
			245						250					255	
Met	Tyr	Leu	Lys	Gly	Asn	Met	Gly	Lys	Ser	Leu	Trp	Glu	Asp	Lys	Ile
		260						265					270		
Val	Ser	Val	Phe	Tyr	Thr	Val	Val	Ile	Pro	Met	Leu	Asn	Pro	Met	Ile
		275					280					285			
Tyr	Ser	Leu	Arg	Asn	Lys	Glu	Val	Lys	Glu	Ala	Leu	Lys	Lys	Ala	Phe
	290					295					300				
Lys	Arg	Ile	Lys	Ser	Ser	Gln	Glu	Ser	Lys	Thr					
305					310					315					

<210> 1803
 <211> 315
 <212> PRT

<213> Mus musculus

<400> 1803

Met	Ala	Asp	Asn	Gly	Thr	Arg	Leu	Thr	Glu	Phe	Ile	Leu	Ile	Gly	Phe
1			5						10					15	
Gln	Leu	Gln	Ala	Glu	Leu	Gln	Leu	Cys	Leu	Phe	Phe	Ile	Phe	Leu	Ala
			20					25					30		
Phe	Tyr	Leu	Ile	Thr	Ile	Val	Gly	Asn	Leu	Gly	Met	Ile	Met	Leu	Ile
		35					40					45			
Gln	Ser	Asp	Pro	Arg	Leu	Gln	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Ser	His
	50					55					60				
Leu	Ser	Phe	Leu	Asp	Val	Cys	Tyr	Ser	Ser	Val	Ile	Val	Pro	Gln	Leu
65					70					75					80
Leu	Glu	Thr	Leu	Gly	Ser	Asn	Lys	Met	Val	Ile	Thr	Tyr	Glu	Arg	Cys
			85						90					95	
Ala	Thr	Gln	Phe	Phe	Phe	Phe	Thr	Leu	Tyr	Ala	Ser	Thr	Glu	Cys	Phe
			100					105					110		
Leu	Leu	Ala	Val	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Val	Cys	Asn	Pro
		115					120					125			
Leu	Leu	Tyr	Ala	Met	Ala	Met	Thr	Pro	Gln	Thr	Arg	Leu	Gly	Leu	Val
	130					135					140				
Ala	Ala	Ala	Tyr	Ser	Gly	Ala	Met	Val	Asn	Thr	Val	Val	Arg	Thr	Gly
145					150					155					160
Cys	Thr	Phe	Ser	Ile	Ser	Phe	Cys	Lys	Ser	Asn	Gln	Val	Asp	Phe	Phe
			165						170					175	
Phe	Cys	Asp	Leu	Pro	Pro	Leu	Leu	Lys	Leu	Ser	Cys	Ser	Glu	Thr	Lys
			180					185					190		
Leu	Arg	Glu	Gln	Val	Ile	Phe	Leu	Phe	Ala	Phe	Leu	Val	Ile	Thr	Thr
	195						200					205			
Ser	Val	Ser	Val	Ile	Leu	Val	Ser	Tyr	Leu	Phe	Ile	Ile	Trp	Ala	Ile
	210					215					220				
Leu	Lys	Ile	Arg	Thr	Ala	Gly	Ala	Lys	Ala	Lys	Thr	Phe	Ser	Thr	Cys
225					230					235					240
Ala	Ser	His	Met	Ile	Ala	Val	Ala	Leu	Phe	Phe	Gly	Thr	Leu	Ile	Phe
			245						250					255	
Met	Tyr	Leu	Lys	Gly	Asn	Met	Gly	Lys	Ser	Leu	Trp	Gln	Asp	Lys	Ile
		260						265					270		
Val	Ser	Val	Phe	Tyr	Thr	Val	Val	Ile	Pro	Met	Leu	Asn	Pro	Met	Ile
	275						280					285			
Tyr	Ser	Leu	Arg	Asn	Lys	Glu	Val	Lys	Glu	Ala	Leu	Lys	Lys	Ala	Phe
	290					295					300				
Lys	Arg	Ile	Lys	Ala	Ser	Gln	Glu	Ser	Lys	Thr					
305					310					315					

<210> 1804

<211> 321

<212> PRT

<213> Mus musculus

<400> 1804

Met	Thr	Val	Lys	Asn	Ile	Thr	Thr	Met	Ser	Gly	Phe	Leu	Leu	Met	Gly
1				5					10					15	
Phe	Ser	Asp	Asn	Arg	Glu	Leu	Gln	Ile	Leu	Tyr	Ala	Leu	Leu	Phe	Leu
			20					25					30		
Leu	Thr	Tyr	Leu	Leu	Gly	Ser	Ala	Gly	Asn	Phe	Ile	Ile	Ile	Thr	Ile
		35					40					45			
Thr	Thr	Leu	Asp	Pro	Gln	Leu	Gln	Ser	Pro	Met	Tyr	Tyr	Phe	Leu	Lys
	50					55					60				

His	Leu	Ser	Ile	Leu	Asp	Leu	Ser	Ser	Leu	Ser	Val	Thr	Val	Pro	Gln
65					70					75					80
Tyr	Val	Asp	Ser	Ser	Leu	Ala	Gly	Ser	Gly	Tyr	Ile	Ser	Tyr	Gly	Gln
			85						90					95	
Cys	Met	Leu	Gln	Ile	Phe	Phe	Phe	Ala	Ala	Phe	Ala	Trp	Gly	Glu	Val
			100					105					110		
Ala	Ile	Leu	Thr	Val	Met	Ser	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Leu
		115					120					125			
Pro	Leu	His	Tyr	Glu	Val	Ile	Met	Ser	Pro	Arg	Lys	Cys	Thr	Trp	Ala
	130					135					140				
Val	Thr	Ser	Val	Trp	Leu	Ser	Ser	Val	Ile	Pro	Gly	Thr	Leu	Tyr	Ile
145					150					155					160
Ala	Ser	Ile	Phe	Ser	Ile	Arg	Phe	Cys	Arg	Ala	Lys	Ile	Ile	His	Gln
			165						170					175	
Leu	Phe	Cys	Asp	Val	Pro	Gln	Leu	Leu	Lys	Leu	Ser	Cys	Ser	Asn	Asp
			180					185					190		
His	Leu	Val	Val	Ile	Gly	Met	Val	Ser	Phe	Met	Thr	Ala	Val	Ala	Phe
		195					200					205			
Ala	Cys	Phe	Val	Gly	Ile	Val	Ile	Ser	Tyr	Val	His	Ile	Phe	Ser	Thr
	210					215					220				
Val	Leu	Arg	Met	Pro	Ser	Ala	Glu	Ser	Arg	Ser	Lys	Val	Phe	Ser	Thr
225					230					235					240
Cys	Leu	Pro	His	Leu	Phe	Val	Val	Ser	Leu	Phe	Leu	Ser	Thr	Gly	Ser
			245						250					255	
Cys	Ala	Tyr	Leu	Asn	Thr	Ser	Ser	Asp	Ser	Pro	Thr	Ala	Leu	Glu	Phe
			260					265					270		
Leu	Phe	Ser	Ile	Phe	Tyr	Thr	Val	Leu	Pro	Pro	Thr	Leu	Asn	Pro	Val
		275					280					285			
Ile	Tyr	Ser	Leu	Arg	Asn	Glu	Thr	Ile	Lys	Ser	Val	Val	Arg	Lys	Leu
	290				295						300				
Leu	Leu	Ser	Ser	Lys	Phe	Thr	Val	Arg	Ile	Ile	Cys	Pro	Val	Ala	Thr
305					310					315					320
Asp															

<210> 1805

<211> 330

<212> PRT

<213> Mus musculus

<400> 1805

Met	Ile	Ser	Tyr	Ser	Phe	Phe	Gln	Glu	Met	Ser	Val	Asn	Cys	Ser	Leu
1				5					10					15	
Trp	Gln	Glu	Asn	Lys	Leu	Ser	Val	Lys	His	Phe	Ala	Phe	Ala	Lys	Phe
			20					25					30		
Ser	Glu	Val	Pro	Glu	Glu	Cys	Phe	Leu	Leu	Phe	Thr	Leu	Ile	Leu	Leu
		35					40					45			
Met	Phe	Leu	Val	Ser	Leu	Thr	Gly	Asn	Ala	Leu	Ile	Thr	Leu	Ala	Ile
	50					55					60				
Cys	Thr	Ser	Pro	Ala	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Ala	Asn
65					70					75					80
Leu	Ser	Leu	Leu	Glu	Ile	Gly	Tyr	Thr	Cys	Ser	Val	Ile	Pro	Lys	Met
			85						90					95	
Leu	Lys	Asn	Leu	Val	Thr	Glu	Ala	Arg	Gly	Ile	Ser	Arg	Glu	Gly	Cys
			100					105					110		
Ala	Thr	Gln	Met	Phe	Phe	Phe	Ile	Phe	Phe	Gly	Ile	Thr	Glu	Cys	Cys
		115					120					125			
Leu	Leu	Ala	Ala	Met	Ala	Phe	Asp	Arg	Tyr	Met	Ala	Ile	Cys	Ser	Pro

130		135		140
Leu His Tyr Ala Thr Arg Met Ser Arg Glu Val Cys Ala His Leu Ala				
145		150		155
Ile Val Ser Trp Gly Met Gly Cys Ile Val Gly Leu Gly Gln Thr Asn				160
	165		170	175
Phe Ile Phe Ser Leu Asn Phe Cys Gly Pro Cys Glu Ile Asp His Phe				
	180		185	190
Phe Cys Asp Leu Pro Pro Val Leu Ala Leu Ala Cys Gly Asp Thr Ser				
	195		200	205
Gln Asn Glu Ala Ala Ile Phe Val Thr Val Val Leu Cys Ile Ser Ser				
	210		215	220
Pro Phe Leu Leu Ile Ile Tyr Ser Tyr Val Arg Ile Leu Phe Ala Val				240
225		230		235
Leu Val Met Pro Ser Pro Glu Gly Arg His Lys Ala Leu Ser Thr Cys				
	245		250	255
Ser Ser His Leu Leu Val Val Thr Leu Phe Tyr Gly Ser Ala Ser Ile				
	260		265	270
Thr Tyr Leu Arg Pro Lys Ser Ser His Ser Pro Gly Ile Asp Lys Leu				
	275		280	285
Leu Ala Leu Phe Tyr Thr Ala Val Thr Ser Met Leu Asn Pro Ile Ile				
	290		295	300
Tyr Ser Leu Arg Asn Lys Glu Val Lys Ala Ala Leu Arg Arg Thr Leu				320
305		310		315
Ser Leu Lys Lys Pro Leu Ala Ile Asn Arg				
	325		330	

<210> 1806
 <211> 309
 <212> PRT
 <213> Mus musculus

<400> 1806

Met Ile Asn Ser Ser Val Ser Ser Asp Phe Ile Leu Val Gly Phe Ser				
1		5		10
Asp Gln Pro Gln Leu Glu Arg Arg Leu Phe Ile Val Val Leu Ile Ser				15
	20		25	30
Tyr Leu Leu Thr Leu Val Gly Asn Thr Ile Ile Ile Leu Ile Ser Ser				
	35		40	45
Ile Asp Ser Lys Leu Lys Thr Pro Met Tyr Phe Phe Leu Thr His Leu				
	50		55	60
Ser Phe Val Asp Ile Cys Phe Thr Thr Ser Ile Val Pro Gln Leu Leu				
65		70		75
Trp Asn Leu Lys Gly Pro Ala Lys Thr Ile Thr Ala Val Gly Cys Ala				
	85		90	95
Val Gln Leu Tyr Val Ser Leu Thr Leu Gly Ser Thr Glu Cys Ile Leu				
	100		105	110
Leu Ala Val Met Ala Phe Asp Arg Tyr Ala Ala Val Cys Lys Pro Leu				
	115		120	125
His Tyr Val Ala Val Met Asn Pro Gln Leu Cys Arg Ala Leu Ala Gly				
	130		135	140
Ile Ser Trp Leu Ser Gly Ile Gly Asn Ala Leu Ile Gln Gly Thr Ile				
145		150		155
Thr Leu Trp Leu Pro Arg Cys Gly His Leu Trp Leu His His Phe Phe				
	165		170	175
Cys Glu Val Pro Ser Met Ile Lys Leu Ala Cys Val Asp Ile His Ala				
	180		185	190
Asn Glu Val Gln Leu Phe Val Ala Ser Leu Val Leu Leu Leu Pro				
	195		200	205

Leu	Ala	Leu	Ile	Leu	Thr	Ser	Tyr	Gly	His	Ile	Ala	Lys	Ala	Val	Ile
	210									215			220		
Arg	Ile	Lys	Ser	Ser	Gln	Ala	Trp	Arg	Arg	Ala	Leu	Gly	Thr	Cys	Gly
225					230					235					240
Ser	His	Leu	Met	Val	Val	Ser	Leu	Phe	Tyr	Gly	Ser	Ile	Thr	Ala	Ile
				245					250						255
Tyr	Ile	Gln	Pro	Asn	Ser	Ser	Tyr	Ala	His	Thr	His	Gly	Lys	Phe	Ile
			260					265					270		
Ser	Leu	Phe	Tyr	Thr	Val	Met	Thr	Pro	Thr	Leu	Asn	Pro	Leu	Ile	Tyr
		275					280					285			
Thr	Leu	Arg	Asn	Lys	Glu	Val	Lys	Gly	Ala	Leu	Gly	Arg	Leu	Phe	Asn
	290					295					300				
Arg	Ala	Ser	Gly	Val											
305															

<210> 1807

<211> 321

<212> PRT

<213> Mus musculus

<400> 1807

Met	Ser	Ile	Asn	Cys	Ser	Leu	Trp	Gln	Glu	Asn	Ser	Leu	Ser	Val	Lys
1				5					10					15	
Arg	Phe	Ala	Phe	Ser	Lys	Phe	Ser	Glu	Val	Pro	Gly	Glu	Cys	Phe	Leu
			20					25					30		
Leu	Phe	Thr	Leu	Ile	Leu	Leu	Met	Phe	Leu	Val	Ser	Leu	Thr	Gly	Asn
		35					40					45			
Glu	Leu	Ile	Ala	Ile	Ala	Ile	Cys	Thr	Ser	Pro	Ala	Leu	His	Thr	Pro
	50					55					60				
Met	Tyr	Phe	Phe	Leu	Ala	Asn	Leu	Ser	Leu	Leu	Glu	Ile	Gly	Tyr	Thr
65					70					75					80
Cys	Ser	Val	Ile	Pro	Lys	Met	Leu	Gln	Ser	Leu	Val	Ser	Glu	Ala	Arg
				85					90					95	
Glu	Ile	Ser	Arg	Glu	Gly	Cys	Ala	Thr	Gln	Met	Phe	Phe	Phe	Thr	Phe
			100					105					110		
Phe	Gly	Ile	Thr	Glu	Cys	Cys	Leu	Leu	Ala	Ala	Met	Ala	Tyr	Asp	Arg
	115						120					125			
Cys	Met	Ala	Ile	Cys	Ser	Pro	Leu	His	Tyr	Ala	Thr	Arg	Met	Ser	His
	130					135					140				
Gly	Val	Cys	Ala	His	Leu	Ala	Ile	Val	Ser	Trp	Gly	Met	Gly	Cys	Ile
145					150					155					160
Val	Gly	Leu	Gly	Gln	Thr	Asn	Phe	Ile	Phe	Ser	Leu	Asn	Phe	Cys	Gly
				165					170					175	
Pro	Cys	Glu	Ile	Asp	His	Phe	Phe	Cys	Asp	Leu	Pro	Pro	Val	Leu	Ala
			180					185					190		
Leu	Ala	Cys	Gly	Asp	Thr	Ser	Gln	Asn	Glu	Ala	Ala	Ile	Phe	Val	Ala
		195					200					205			
Ala	Ile	Leu	Cys	Ile	Ser	Ser	Pro	Phe	Leu	Leu	Ile	Ile	Tyr	Ser	Tyr
	210					215					220				
Val	Arg	Ile	Leu	Val	Ala	Val	Leu	Val	Met	Pro	Ser	Pro	Glu	Gly	Arg
225					230					235					240
His	Lys	Ala	Leu	Ser	Thr	Cys	Ser	Ser	His	Leu	Leu	Val	Val	Thr	Leu
				245					250					255	
Phe	Phe	Gly	Ser	Gly	Ser	Ile	Thr	Tyr	Leu	Arg	Pro	Lys	Ser	Ser	His
		260						265					270		
Leu	Pro	Gly	Met	Asp	Lys	Leu	Leu	Ala	Leu	Phe	Tyr	Thr	Ala	Val	Thr
		275					280					285			
Ser	Met	Leu	Asn	Pro	Ile	Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Glu	Val	Lys

290		295		300											
Thr	Ala	Leu	Arg	Lys	Thr	Leu	Ser	Leu	Lys	Thr	Ser	Arg	Ala	Ile	Asn
305		310								315					320
Arg															

<210> 1808
 <211> 309
 <212> PRT
 <213> Mus musculus

<400> 1808

Met	Arg	Met	Asp	Asn	Lys	Ser	Thr	Val	Ser	Glu	Phe	Ile	Leu	Leu	Gly
1				5					10				15		
Leu	Pro	Ile	Arg	Pro	Glu	Asn	Gln	Val	Ile	Tyr	Ser	Ser	Leu	Ile	Leu
			20					25					30		
Thr	Met	Tyr	Leu	Thr	Thr	Val	Leu	Gly	Asn	Leu	Leu	Ile	Ile	Leu	Leu
		35				40						45			
Ile	Arg	Leu	Asp	Pro	His	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Ser
	50				55					60					
His	Leu	Ala	Leu	Thr	Asp	Ile	Ser	Phe	Ser	Ser	Val	Thr	Val	Pro	Lys
65					70					75					80
Met	Leu	Val	Asn	Met	Leu	Thr	His	Ser	Gln	Ser	Ile	Ser	Tyr	Asp	Gly
			85						90					95	
Cys	Val	Ser	Gln	Val	Tyr	Phe	Phe	Ile	Val	Phe	Gly	Ser	Ile	Asp	Ser
			100					105					110		
Phe	Leu	Leu	Thr	Ser	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Phe	Cys	His
		115					120					125			
Pro	Leu	His	Tyr	Thr	Ile	Ile	Met	Asn	Leu	Ser	Leu	Cys	Val	Leu	Leu
	130					135					140				
Val	Gly	Met	Phe	Trp	Val	Leu	Ser	Ser	Ala	Asn	Ala	Leu	Val	Gln	Thr
145					150					155					160
Leu	Leu	Leu	Ala	Arg	Leu	Ser	His	Phe	Arg	Asn	Asn	Thr	Ile	Pro	Tyr
			165						170					175	
Tyr	Phe	Cys	Asp	Leu	Ser	Thr	Leu	Leu	Lys	Leu	Ser	Ser	Ser	Asp	Thr
			180					185					190		
Thr	Ile	Asn	Asp	Leu	Ile	Ile	Leu	Val	Leu	Gly	Asn	Ala	Val	Ile	Thr
		195					200					205			
Leu	Pro	Phe	Ile	Cys	Ile	Leu	Val	Ser	Tyr	Gly	Tyr	Ile	Gly	Val	Thr
	210					215					220				
Ile	Leu	Lys	Thr	Pro	Ser	Ile	Lys	Gly	Ile	Arg	Lys	Ala	Leu	Ser	Thr
225					230					235					240
Cys	Gly	Ser	His	Leu	Cys	Val	Val	Ser	Leu	Tyr	Tyr	Gly	Ser	Ile	Ile
			245						250					255	
Gly	Leu	Tyr	Cys	Val	Pro	Ser	Ser	Asn	Asn	Thr	Ser	Glu	Lys	Asn	Ala
			260					265					270		
Ile	Val	Ala	Val	Met	Tyr	Thr	Val	Val	Thr	Pro	Met	Leu	Asn	Pro	Phe
		275					280					285			
Ile	Tyr	Ser	Leu	Arg	Asn	Gln	Asp	Met	Lys	Gly	Ala	Leu	Arg	Asn	Ile
	290					295					300				
Leu	Ser	Arg	Thr	Gln											
305															

<210> 1809
 <211> 312
 <212> PRT
 <213> Mus musculus

<400> 1809

Met	Lys	Arg	Asp	Asn	Gln	Ser	Met	Val	Ser	Glu	Phe	Ile	Leu	Leu	Gly
1				5					10					15	
Leu	Pro	Ile	Arg	Pro	Glu	Glu	Gln	Gly	Met	Tyr	Tyr	Ala	Leu	Phe	Leu
			20					25					30		
Thr	Met	Tyr	Leu	Thr	Thr	Val	Leu	Gly	Asn	Leu	Leu	Ile	Ile	Leu	Leu
		35					40					45			
Ile	Arg	Leu	Asp	Ser	His	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Ser
	50					55					60				
His	Leu	Ala	Phe	Thr	Asp	Ile	Ser	Phe	Ser	Ser	Val	Thr	Val	Pro	Lys
65					70					75					80
Met	Leu	Arg	Asn	Met	His	Ile	His	Asp	Pro	Ser	Ile	Pro	Tyr	Ala	Glu
			85						90					95	
Cys	Ile	Ala	Gln	Met	Tyr	Phe	Phe	Ile	Leu	Phe	Thr	Asp	Leu	Asp	Asn
			100					105					110		
Phe	Leu	Leu	Thr	Ser	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	His
		115					120					125			
Pro	Leu	His	Tyr	Thr	Thr	Ile	Met	Arg	Glu	Glu	Leu	Cys	Ile	Leu	Leu
	130					135					140				
Val	Ala	Ile	Ser	Trp	Ile	Leu	Ser	Cys	Val	Ser	Ala	Leu	Ser	His	Thr
145					150					155					160
Leu	Leu	Leu	Ala	Arg	Leu	Ser	Phe	Cys	Ala	Asp	Asn	Thr	Ile	Ser	His
			165						170				175		
Phe	Phe	Cys	Asp	Leu	Ala	Ala	Leu	Leu	Lys	Leu	Ser	Cys	Ser	Asp	Ile
			180				185						190		
Ser	Leu	Asn	Glu	Leu	Val	Ile	Phe	Thr	Val	Gly	Thr	Thr	Val	Ile	Thr
		195					200					205			
Leu	Pro	Leu	Ile	Cys	Ile	Leu	Ile	Ser	Tyr	Gly	His	Ile	Val	Ala	Thr
	210				215						220				
Ile	Leu	Lys	Val	Ser	Ser	Asn	Lys	Gly	Ile	Cys	Lys	Ala	Leu	Ser	Thr
225					230					235					240
Cys	Gly	Ser	His	Leu	Ser	Val	Val	Ser	Leu	Tyr	Tyr	Gly	Thr	Ile	Ile
			245						250					255	
Gly	Val	Tyr	Phe	Ile	Pro	Ser	Ser	Phe	Thr	Ser	Thr	Asp	Lys	Gly	Ile
			260					265					270		
Val	Ala	Ser	Val	Met	Tyr	Thr	Val	Val	Thr	Pro	Leu	Leu	Asn	Pro	Phe
	275						280					285			
Ile	Tyr	Ser	Ile	Arg	Asn	Arg	Asp	Met	Lys	Glu	Ala	Leu	Lys	Lys	Leu
	290				295						300				
Phe	Asn	Arg	Ala	Ser	Ile	Ser	Thr								
305					310										

<210> 1810

<211> 313

<212> PRT

<213> Mus musculus

<400> 1810

Met	Arg	Leu	Lys	Asn	His	Ser	Ser	Val	Ser	Glu	Phe	Leu	Leu	Leu	Gly
1				5					10					15	
Phe	Pro	Ile	Arg	Pro	Glu	Gln	Gly	Gly	Ile	Phe	Phe	Ser	Leu	Phe	Leu
			20					25					30		
Ala	Met	Tyr	Leu	Ile	Thr	Val	Leu	Gly	Asn	Leu	Leu	Ile	Ile	Leu	Leu
		35					40					45			
Ile	Arg	Leu	Asp	Ser	His	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Ser
	50					55					60				
His	Leu	Ala	Phe	Thr	Asp	Ile	Ser	Phe	Ser	Ser	Val	Thr	Val	Pro	Lys

65					70					75					80
Met	Leu	Thr	Lys	Val	Gln	Asn	Gln	Pro	Ile	Pro	Ile	Thr	Tyr	Glu	Glu
				85					90					95	
Cys	Val	Ser	Gln	Thr	Tyr	Phe	Phe	Ile	Phe	Phe	Ala	Asp	Leu	Asp	Ser
			100					105					110		
Phe	Leu	Ile	Thr	Ser	Met	Ala	Tyr	Asp	Arg	Tyr	Met	Ala	Ile	Cys	His
		115					120					125			
Pro	Leu	His	Tyr	Ile	Thr	Ile	Met	Ser	Gln	Ser	Arg	Cys	Ala	Met	Leu
	130					135					140				
Val	Ala	Val	Ser	Trp	Val	Ile	Ala	Ser	Ala	Cys	Ala	Leu	Leu	His	Ser
145					150					155					160
Leu	Leu	Leu	Asp	Gln	Leu	Ser	Phe	Cys	Ala	Asp	His	Thr	Val	Pro	His
			165						170					175	
Phe	Phe	Cys	Asp	Leu	Gly	Ala	Leu	Leu	Lys	Leu	Ser	Cys	Ser	Asp	Thr
			180					185					190		
Ser	Leu	Asn	Gln	Leu	Val	Ile	Phe	Thr	Ala	Gly	Leu	Ala	Ala	Ile	Met
		195					200					205			
Leu	Pro	Phe	Leu	Cys	Ile	Leu	Ile	Ser	Tyr	Gly	Arg	Ile	Gly	Phe	Thr
	210					215					220				
Ile	Leu	Gln	Val	Pro	Thr	Thr	Lys	Gly	Ile	Cys	Lys	Ala	Leu	Ser	Thr
225					230					235					240
Cys	Gly	Ser	His	Leu	Ser	Val	Val	Ala	Leu	Tyr	Tyr	Gly	Ser	Ile	Ile
				245					250					255	
Gly	Leu	Tyr	Phe	Leu	Pro	Pro	Ser	Asn	Ser	Lys	Ile	Asn	Asn	Asn	Ile
			260					265					270		
Val	Ala	Ser	Val	Met	Tyr	Thr	Val	Val	Thr	Pro	Met	Leu	Asn	Pro	Phe
		275					280					285			
Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Met	Lys	Gly	Ala	Leu	Lys	Lys	Leu
	290				295						300				
Leu	Ser	Lys	Lys	Thr	Glu	Phe	Ser	Lys							
305					310										

<210> 1811
 <211> 310
 <212> PRT
 <213> Mus musculus

<400> 1811															
Met	Glu	Gly	Val	Asn	Gln	Thr	Arg	Phe	Val	Ser	Glu	Phe	Ile	Leu	Leu
1				5					10					15	
Gly	Leu	Ser	Pro	Arg	Pro	Glu	Asp	Gln	Lys	Pro	Leu	Phe	Ile	Leu	Phe
			20					25					30		
Leu	Thr	Ile	Tyr	Leu	Val	Thr	Leu	Thr	Gly	Asn	Leu	Leu	Ile	Ile	Leu
		35				40						45			
Ala	Ile	Arg	Ser	Asp	Pro	His	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu
	50					55					60				
Ser	Phe	Leu	Ser	Leu	Thr	Asp	Ile	Cys	Phe	Thr	Thr	Thr	Ile	Val	Pro
65					70					75					80
Lys	Met	Leu	Val	Asn	Phe	Leu	Ser	Glu	Lys	Lys	Thr	Ile	Ser	Tyr	Ala
				85					90					95	
Gly	Cys	Leu	Thr	Gln	Met	Tyr	Phe	Leu	Tyr	Ala	Leu	Gly	Asn	Ser	Asp
			100					105					110		
Ser	Cys	Leu	Leu	Ala	Val	Met	Ala	Phe	Asp	Arg	Tyr	Val	Ala	Ile	Cys
		115					120					125			
Asn	Pro	Phe	His	Tyr	Val	Thr	Ile	Met	Asn	His	His	Arg	Cys	Ala	Leu
	130					135					140				
Leu	Val	Thr	Phe	Ser	Cys	Ser	Phe	Pro	His	Phe	His	Ser	Leu	Leu	His
145					150					155					160

Thr	Leu	Leu	Leu	Asn	Leu	Leu	Thr	Phe	Cys	Asp	Ser	Asn	Val	Ile	His	
				165					170					175		
His	Phe	Leu	Cys	Asp	Leu	Ser	Pro	Leu	Leu	Lys	Leu	Ser	Cys	Ser	Ser	
			180					185					190			
Thr	Phe	Val	Asn	Glu	Ile	Val	Ile	Val	Thr	Glu	Gly	Ala	Leu	Val	Leu	
		195					200					205				
Val	Thr	Pro	Phe	Leu	Cys	Ile	Ala	Phe	Ser	Tyr	Ile	Arg	Ile	Leu	Val	
	210					215					220					
Thr	Val	Leu	Lys	Ile	Pro	Ser	Ala	Ala	Gly	Lys	Arg	Lys	Ala	Phe	Ser	
225					230					235					240	
Thr	Cys	Gly	Ser	His	Phe	Thr	Val	Val	Thr	Leu	Phe	Tyr	Gly	Ser	Ile	
				245					250					255		
Phe	Tyr	Val	Tyr	Leu	Gln	Pro	Val	Ser	Thr	Tyr	Thr	Val	Lys	Asp	His	
			260					265					270			
Ile	Ala	Thr	Ile	Val	Tyr	Thr	Val	Leu	Ser	Ser	Met	Leu	Asn	Pro	Phe	
		275					280					285				
Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Leu	Lys	Gln	Gly	Leu	Arg	Lys	Leu	
	290				295						300					
Ile	Ser	Arg	Arg	His	Ile											
305					310											

<210> 1812

<211> 315

<212> PRT

<213> Mus musculus

<400> 1812

Met	Met	Thr	Arg	Asn	His	Ser	Ser	Val	Ser	Glu	Phe	Leu	Leu	Leu	Gly	
1				5					10					15		
Leu	Ser	Glu	His	Trp	Glu	Gln	Glu	Pro	Leu	Leu	Phe	Gly	Ile	Phe	Leu	
			20					25					30			
Val	Ile	Tyr	Leu	Val	Thr	Val	Val	Gly	Asn	Thr	Leu	Ile	Ile	Leu	Ala	
		35					40					45				
Ile	Val	Ser	Asp	Pro	His	Leu	His	Ser	Pro	Met	Tyr	Phe	Phe	Leu	Ala	
	50					55				60						
Asn	Leu	Ser	Leu	Thr	Asp	Met	Cys	Leu	Ser	Ser	Thr	Thr	Val	Pro	Arg	
65					70					75					80	
Met	Leu	Val	Asn	Ile	Gln	Thr	Gln	Arg	His	Ser	Ile	Pro	Tyr	Ala	Gly	
			85					90					95			
Cys	Leu	Ser	Gln	Ile	Tyr	Phe	Phe	Leu	Trp	Phe	Ile	Gly	Leu	Asp	Val	
			100					105					110			
Phe	Leu	Leu	Ala	Val	Met	Ala	Tyr	Asp	Arg	Leu	Val	Ala	Ile	Cys	Tyr	
		115					120					125				
Pro	Leu	His	Tyr	Thr	Leu	Val	Met	Ser	Pro	Arg	Cys	Cys	Ile	Leu	Leu	
	130					135					140					
Val	Thr	Thr	Ser	Leu	Phe	Leu	Ala	His	Ser	Tyr	Ala	Leu	Thr	His	Ile	
145					150					155					160	
Ile	Leu	Leu	Ser	Gln	Leu	Ser	Phe	Cys	Met	Asp	Asn	Ile	Ile	Leu	His	
			165						170					175		
Phe	Phe	Cys	Glu	Leu	Leu	Pro	Met	Leu	Lys	Leu	Ser	Cys	Ser	Asn	Thr	
		180						185					190			
Tyr	Ala	Asn	Gln	Cys	Val	Leu	Leu	Tyr	Trp	Gly	Gly	Ala	Leu	Thr	Val	
		195					200					205				
Leu	Ile	Pro	Leu	Leu	Ile	Ile	Val	Ser	Tyr	Val	Arg	Ile	Val	Ala	Thr	
	210					215					220					
Ile	Val	Arg	Val	Pro	Ser	Ala	Ser	Gly	Lys	Trp	Lys	Thr	Phe	Ser	Thr	
225				230					235						240	
Cys	Gly	Ser	His	Leu	Ser	Ala	Val	Cys	Leu	Phe	Tyr	Val	Ser	Ala	Ile	

<210> 1814
 <211> 317
 <212> PRT
 <213> Mus musculus

<400> 1814
 Met Ala Thr Lys Asn Lys Thr Glu Val Thr Glu Phe Val Leu Leu Gly
 1 5 10 15
 Leu Ser Ser Arg Pro Glu Ile Gln Pro Val Ile Phe Gly Val Val Leu
 20 25 30
 Ile Met Tyr Leu Met Ala Val Leu Gly Asn Thr Leu Leu Ile Leu Val
 35 40 45
 Ala Cys Ser Asp Pro Arg Leu Gln Thr Pro Met Tyr Phe Leu Leu Ser
 50 55 60
 Gln Leu Ser Leu Ile Asp Ile Ser Leu Thr Thr Ile Thr Ile Pro Gln
 65 70 75 80
 Met Leu Val His Thr Leu Ser Val Asn Arg Ser Ile Ser Tyr Asn Arg
 85 90 95
 Cys Met Thr Gln Leu Phe Phe Phe Met Ala Val Gly Ser Met Glu Val
 100 105 110
 Tyr Leu Leu Gly Ala Met Ala Tyr Asp Arg Tyr Val Ala Ile Cys Asp
 115 120 125
 Pro Leu Arg Tyr Ser Ala Ile Val Ser Tyr Ser Leu Cys Leu Gln Ile
 130 135 140
 Thr Leu Thr Ser Trp Met Val Val Ser Leu Asn Ser Leu Leu Tyr Ser
 145 150 155 160
 Val Leu Val Thr Arg Leu Thr Phe Cys Gly Asn Lys Val Thr His Phe
 165 170 175
 Phe Cys Asp Ile Thr Pro Leu Leu Lys Leu Ser Cys Thr Arg Pro Val
 180 185 190
 Leu Asn Glu Met Leu Ile Phe Thr Glu Gly Val Ala Val Val Gly Ser
 195 200 205
 Pro Phe Phe Phe Ile Trp Gly Ser Tyr Val Arg Ile Gly Ile Ala Met
 210 215 220
 Ala His Met His Ser Phe Ala Ala Leu Lys Lys Ala Leu Ser Thr Cys
 225 230 235 240
 Ser Ser His Ile Leu Val Val Leu Leu Leu Phe Gly Thr Leu Ala Arg
 245 250 255
 Met Tyr Leu Lys Pro Ser Ser Ser Tyr Asp Leu Gly Gln Asp Arg Gln
 260 265 270
 Val Ala Ile Phe Tyr Thr Leu Ile Ser Pro Met Leu Asn Pro Leu Ile
 275 280 285
 Tyr Ser Leu Arg Asn Gln Asp Val Lys Gly Ala Leu Trp Arg Leu Phe
 290 295 300
 Arg Lys Leu His Thr Ser Asp Trp Leu Ser Asp Lys Glu
 305 310 315

<210> 1815
 <211> 308
 <212> PRT
 <213> Mus musculus

<400> 1815
 Met Ile Thr Glu Asn Trp Thr Leu Ala Gln Asp Phe Leu Leu Leu Gly
 1 5 10 15
 Phe Pro Gly Ser Gln Val Leu Gln Phe Ser Leu Phe Leu Phe Phe Leu
 20 25 30
 Val Met Tyr Leu Leu Thr Ile Gly Gly Asn Met Ala Ile Leu Leu Leu

Met	Tyr	Pro	Val	Ile	Met	Thr	His	Gln	Phe	Cys	Val	Gln	Met	Thr	Leu
130						135					140				
Ala	Ser	Leu	Leu	Thr	Ser	Leu	Ile	Leu	Ala	Ser	Val	His	Thr	Ser	Lys
145					150					155					160
Thr	Phe	Gln	Leu	Ser	Phe	Cys	His	Ser	Asn	Ile	Val	Pro	Gln	Phe	Phe
				165					170					175	
Cys	Asp	Ile	Pro	Ser	Leu	Leu	Arg	Leu	Ser	Cys	Ser	Asp	Thr	Phe	Asn
			180					185					190		
Asn	Lys	Leu	Leu	Leu	Leu	Leu	Ser	Ala	Ile	Gly	Leu	Ser	Gly	Ser	Cys
		195					200					205			
Phe	Thr	Phe	Ile	Ala	Val	Ser	Tyr	Val	Arg	Ile	Leu	Ser	Thr	Val	Leu
	210					215					220				
Lys	Val	Pro	Val	Lys	Gly	Glu	Arg	Gly	Lys	Ala	Phe	Ser	Thr	Cys	Val
225					230					235					240
Pro	His	Ile	Ile	Val	Val	Ser	Val	Phe	Leu	Ser	Ser	Gly	Ala	Tyr	Val
				245					250					255	
Tyr	Leu	Lys	Pro	Pro	Ala	Ile	Pro	Glu	Ile	Ile	Glu	Asp	Met	Thr	Leu
			260					265					270		
Ser	Val	Phe	Tyr	Thr	Ile	Val	Pro	Pro	Phe	Leu	Asn	Pro	Ile	Ile	Tyr
		275					280					285			
Ser	Leu	Arg	Asn	Lys	Gln	Ile	Lys	Glu	Ala	Val	Lys	Lys	Val	Ile	Phe
	290					295					300				
Arg	Phe	Leu	Ser												
305															

<210> 1817

<211> 319

<212> PRT

<213> Mus musculus

<400> 1817

Met	Asp	Val	Lys	Asn	Gln	Thr	Ala	Val	Thr	Glu	Phe	Ile	Phe	Leu	Gly
1				5					10					15	
Phe	Pro	Gly	Ser	Ser	Ser	Leu	Gln	Leu	Pro	Leu	Phe	Met	Met	Phe	Leu
			20					25				30			
Thr	Val	Tyr	Leu	Leu	Ser	Leu	Met	Gly	Asn	Thr	Leu	Ile	Ile	Phe	Leu
		35				40						45			
Ile	Leu	Val	Asp	Ser	Thr	Leu	Gln	Thr	Pro	Met	Tyr	Ile	Phe	Leu	Gly
	50					55				60					
Asn	Leu	Ser	Phe	Leu	Glu	Ile	Trp	Tyr	Thr	Thr	Ala	Thr	Val	Pro	Lys
65					70					75					80
Leu	Leu	Ala	Thr	Cys	Val	Thr	Lys	Val	Val	Thr	Ile	Pro	Val	Ala	Gly
			85						90					95	
Cys	Ile	Thr	Gln	Tyr	Tyr	Phe	Phe	Phe	Ser	Leu	Gly	Ala	Thr	Glu	Cys
			100					105					110		
Ile	Leu	Leu	Ala	Val	Met	Ala	Tyr	Asp	Arg	His	Val	Ala	Val	Cys	Arg
		115					120					125			
Pro	Leu	His	Tyr	Ser	Leu	Leu	Met	Ser	Val	His	Ile	Cys	Leu	Arg	Phe
	130					135					140				
Ser	Ala	Ala	Ser	Trp	Val	Gly	Gly	Phe	Leu	Ala	Pro	Leu	Leu	Pro	Thr
145					150					155					160
Ile	Leu	Ile	Ser	Gln	Leu	Asn	Phe	Cys	Gly	Pro	Gln	Lys	Ile	Asn	His
				165					170					175	
Phe	Phe	Cys	Asp	Ser	Asp	Pro	Ile	Phe	Lys	Leu	Ser	Cys	Ser	Asp	Thr
			180					185					190		
Phe	Leu	Val	Glu	Ala	Leu	Gly	Tyr	Thr	Cys	Ser	Ser	Val	Val	Ile	Leu
		195					200					205			
Ser	Ser	Phe	Leu	Leu	Thr	Met	Ser	Ser	Tyr	Gly	Asn	Ile	Val	Val	Thr

210		215		220
Ile Ile Arg Leu Ser Ser Arg Glu Ala Arg Lys Lys Thr Phe Ser Thr				
225		230		240
Cys Ala Ser His Leu Thr Val Val Thr Ile Tyr Tyr Gly Thr Ile Ile				
	245		250	255
Phe Ala Tyr Val Arg Pro Pro Ala Lys Tyr Asn Phe Thr Ile Gly Lys				
	260		265	270
Val Val Ser Val Phe Tyr Cys Val Ile Thr Pro Leu Val Asn Pro Leu				
	275		280	285
Ile Tyr Thr Leu Arg Asn Lys Asp Val Met Lys Ala Phe Gln Lys Phe				
	290		295	300
Leu Ser Gln Lys Lys Phe Leu Met Gly Lys Asn Met His Gly Leu				
305		310		315

<210> 1818
 <211> 309
 <212> PRT
 <213> Mus musculus

<400> 1818

Met Met Asn Ser Thr Met Val Thr Glu Phe Leu Leu Glu Val Phe Ala				
1	5	10	15	
Glu Thr Trp Glu Leu Arg Val Leu Leu Ser Val Leu Phe Leu Leu Val				
	20	25	30	
Tyr Leu Gly Ser Leu Phe Gly Asn Leu Thr Ile Ile Ile Val Thr Thr				
	35	40	45	
Val Asp Gln Thr Leu Asn Thr Pro Met Tyr Phe Phe Leu Arg Asn Leu				
	50	55	60	
Ser Ile Leu Asp Met Cys Tyr Val Ser Ile Thr Val Pro Asn Ala Cys				
65	70	75	80	
Ile Asn Ser Leu Thr Asp His Arg Asn Ile Ser Val Thr Gly Cys Ala				
	85	90	95	
Ala Gln Ile Phe Leu Phe Phe Phe Cys Ala Cys Val Glu Val Gln Phe				
	100	105	110	
Leu Thr Ile Met Ala Gln Asp Arg Tyr Val Ala Ile Cys Lys Pro Leu				
	115	120	125	
Leu Tyr Pro Met Ile Met Asn His Gln Phe Cys Val Gln Met Thr Leu				
	130	135	140	
Ala Ser Leu Leu Thr Ser Leu Ile Leu Ser Gly Met Asn Thr Phe Lys				
145	150	155	160	
Thr Phe Gln Leu Ser Phe Cys His Ser Asn Val Val Pro Gln Phe Phe				
	165	170	175	
Cys Glu Leu Pro Ala Leu Leu Arg Leu Thr Cys Ser Asp Thr Phe Asn				
	180	185	190	
Asn Lys Ile Ile Leu Leu Leu Thr Ala Ile Gly Leu Ser Gly Thr Cys				
	195	200	205	
Phe Thr Phe Ile Ala Ile Ser Tyr Val Arg Ile Leu Ser Thr Val Leu				
	210	215	220	
Lys Val Pro Val Lys Gly Glu Arg Gly Lys Ala Phe Ser Thr Cys Val				
225	230	235	240	
Pro His Ile Ile Val Ala Tyr Leu Phe Phe Cys Ser Gly Ala Tyr Ala				
	245	250	255	
Tyr Leu Arg Pro Ser Ala Ile Ser Glu Val Val Glu Asp Met Thr Leu				
	260	265	270	
Ser Val Phe Tyr Thr Thr Val Pro Phe Leu Asn Pro Ile Ile Tyr				
	275	280	285	
Ser Leu Arg Asn Lys Pro Asn Lys Glu Gly Cys Glu Glu Ser Asn Ile				
290	295	300		

His Ile Phe His Ser
305

<210> 1819
<211> 313
<212> PRT
<213> Mus musculus

<400> 1819
Met Pro Asn Ile Thr Ala Phe Thr Gly Phe Leu Leu Thr Ala Phe Phe
1 5 10 15
Asp Ser Gln Glu Leu Gln Thr Leu Trp Gly Val Phe Phe Leu Gly Ile
20 25 30
Tyr Leu Glu Ala Leu Met Ser Asn Leu Ile Ile Ile Thr Leu Ile Thr
35 40 45
Leu Asp Leu Gln Leu Gln Thr Pro Met Tyr Phe Phe Leu Lys Asn Leu
50 55 60
Ser Leu Leu Asp Val Phe Phe Val Ser Val Pro Ile Pro Lys Phe Val
65 70 75 80
Val Asn Ser Leu Ile His Asn Asn Ser Ile Ser Val Leu Ala Cys Ala
85 90 95
Phe Gln Val Phe Leu Met Thr Ser Phe Ser Ser Gly Glu Val Phe Val
100 105 110
Leu Thr Ala Met Ser Tyr Asp Arg Tyr Val Ala Ile Cys Phe Pro Leu
115 120 125
Asn Tyr Gly Ala Ile Met Asn Asn His Thr Cys Val Leu Met Met Gly
130 135 140
Val Ser Trp Ala Thr Gly Met Leu Phe Gly Ala Ile Tyr Thr Ala Gly
145 150 155 160
Thr Phe Ser Met Pro Phe Cys Gly Ser Asn Val Ile Pro Gln Phe Phe
165 170 175
Cys Asp Val Pro Ser Leu Leu Arg Ile Ser Cys Ser Glu Thr Leu Val
180 185 190
Ala Ile Tyr Ser Cys Leu Gly Ile Gly Val Cys Leu Gly Met Ser Cys
195 200 205
Phe Ile Cys Val Val Ile Ser Tyr Phe Tyr Ile Phe Ser Thr Val Leu
210 215 220
Lys Ile Pro Thr Thr Lys Gly Gln Ser Lys Ala Phe Ala Thr Cys Ile
225 230 235 240
Pro His Leu Thr Val Phe Thr Val Phe Leu Val Thr Ala Cys Phe Val
245 250 255
Tyr Leu Lys Pro Phe Thr Asn Thr Leu Ser Ile Ser Glu Arg Leu Phe
260 265 270
Ser Val Leu Tyr Thr Val Leu Pro Pro Ala Leu Asn Pro Leu Ile Tyr
275 280 285
Ser Leu Arg Asn Thr Asp Val Lys Ser Ala Leu Arg Arg Leu Gln Gln
290 295 300
Asn Leu Cys Leu Arg Arg Leu Leu Ile
305 310

<210> 1820
<211> 319
<212> PRT
<213> Mus musculus

<400> 1820
Met Pro Asn Val Thr Ala Val Thr Gly Phe Ile Leu Met Gly Phe Ser

1		5		10		15									
Asp	Ile	His	Glu	Leu	Gln	Ile	Leu	Cys	Gly	Val	Leu	Phe	Leu	Val	Leu
			20					25					30		
Tyr	Leu	Gly	Ile	Leu	Met	Ser	Asn	Leu	Leu	Ile	Ile	Ile	Leu	Ile	Thr
		35					40					45			
Val	Asp	Leu	Lys	Leu	Gln	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Lys	Asn	Leu
	50					55					60				
Ser	Leu	Leu	Asp	Val	Phe	Leu	Val	Ser	Val	Thr	Ile	Pro	Asn	Phe	Phe
65					70					75				80	
Val	Asn	Ser	Leu	Met	His	Lys	Asn	Ser	Ile	Ser	Ile	Leu	Gly	Cys	Ala
				85					90				95		
Phe	Gln	Val	Phe	Phe	Met	Ala	Leu	Leu	Gly	Ser	Gly	Glu	Val	Phe	Val
			100					105					110		
Leu	Thr	Thr	Met	Ser	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Ser	Pro	Leu
		115					120					125			
His	Tyr	Glu	Val	Ile	Met	Asn	Ser	Val	Thr	Cys	Val	Val	Met	Met	Ser
	130					135					140				
Val	Ser	Trp	Gly	Thr	Gly	Leu	Phe	Phe	Gly	Val	Met	Tyr	Thr	Ala	Gly
145					150					155				160	
Thr	Phe	Ser	Met	Thr	Phe	Cys	Gly	Ser	Asn	Val	Ile	Pro	Gln	Ile	Phe
			165						170				175		
Cys	Asp	Val	Pro	Ser	Leu	Leu	Arg	Ile	Ser	Cys	Ser	Gly	Ser	Leu	Met
			180					185					190		
Ile	Ile	Tyr	Ile	Ser	Leu	Gly	Ile	Gly	Val	Cys	Leu	Gly	Met	Ser	Cys
		195				200						205			
Phe	Ile	Cys	Val	Gly	Ile	Ser	Tyr	Ile	Tyr	Ile	Phe	Ser	Thr	Val	Leu
	210					215					220				
Lys	Ile	Pro	Thr	Thr	Lys	Gly	Gln	Ser	Lys	Ala	Phe	Gly	Thr	Cys	Ile
225					230					235				240	
Pro	His	Leu	Thr	Val	Phe	Ser	Val	Phe	Ile	Ala	Thr	Ala	Cys	Phe	Val
			245						250				255		
Tyr	Leu	Lys	Pro	Pro	Ser	Asn	Ser	Ala	Ser	Leu	Thr	Asp	Arg	Leu	Phe
			260					265					270		
Ser	Val	Leu	Tyr	Thr	Val	Leu	Pro	Pro	Ala	Leu	Asn	Pro	Val	Ile	Tyr
		275					280					285			
Ser	Leu	Arg	Asn	Asn	Asp	Val	Asp	Ser	Ala	Leu	Lys	Arg	Leu	Leu	Gln
	290				295						300				
Asn	Leu	Tyr	Ser	Arg	Asp	Phe	Leu	His	Val	Ile	His	Gln	Asn	Val	
305					310					315					

<210> 1821

<211> 312

<212> PRT

<213> Mus musculus

<400> 1821

Met	Arg	Asn	Gly	Thr	Ala	Ile	Thr	Glu	Phe	Ile	Leu	Leu	Gly	Phe	Pro
1				5					10				15		
Gly	Ile	Gln	Gly	Ser	Glu	Ala	Leu	Leu	Phe	Ile	Val	Ile	Phe	Leu	Ile
			20					25					30		
Tyr	Ile	Leu	Thr	Leu	Ser	Gly	Asn	Gly	Leu	Ile	Ile	Val	Ile	Val	Trp
		35					40					45			
Val	Glu	Pro	Arg	Leu	Gln	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Cys	Asn	Leu
	50					55					60				
Ala	Phe	Leu	Glu	Ile	Trp	Tyr	Thr	Thr	Thr	Val	Ile	Pro	Lys	Leu	Leu
65					70					75				80	
Glu	Thr	Phe	Val	Val	Ser	Lys	Thr	Val	Ile	Cys	Thr	Ala	Cys	Cys	Leu
			85						90				95		

Leu	Gln	Ala	Phe	Phe	His	Phe	Phe	Leu	Gly	Thr	Thr	Glu	Phe	Leu	Ile	
			100					105					110			
Leu	Gly	Ser	Met	Ser	Phe	Asp	Arg	Tyr	Leu	Ala	Ile	Cys	Lys	Pro	Leu	
		115					120					125				
Arg	Tyr	Pro	Thr	Ile	Met	Thr	Ser	Asn	Leu	Cys	Leu	Gln	Leu	Ala	Leu	
		130					135					140				
Ser	Ser	Trp	Leu	Ala	Gly	Phe	Thr	Ile	Val	Phe	Cys	Gln	Thr	Met	Leu	
					150					155					160	
Ile	Val	Gln	Leu	Pro	Phe	Cys	Gly	Asn	Asn	Val	Ile	Asn	His	Phe	Tyr	
				165					170					175		
Cys	Asp	Val	Gly	Pro	Ile	Leu	Lys	Ala	Ala	Cys	Ala	Asp	Thr	Ser	Ile	
			180					185					190			
Leu	Glu	Leu	Leu	Gly	Leu	Leu	Ala	Thr	Ile	Leu	Val	Ile	Pro	Gly	Ser	
		195					200						205			
Leu	Leu	Phe	Thr	Ile	Ile	Ser	Tyr	Ile	Tyr	Ile	Leu	Ser	Thr	Ile	Leu	
		210				215					220					
Arg	Ile	Pro	Ser	Ala	Thr	Gly	Arg	Gln	Lys	Ala	Phe	Ser	Thr	Cys	Ala	
					230					235					240	
Ser	His	Leu	Thr	Val	Val	Ser	Leu	Leu	Tyr	Gly	Ala	Val	Leu	Phe	Met	
				245					250					255		
Tyr	Leu	Arg	Pro	Thr	Ala	His	Ser	Ser	Phe	Lys	Ile	Asn	Lys	Val	Val	
			260					265					270			
Ser	Val	Leu	Asn	Thr	Ile	Leu	Thr	Pro	Leu	Leu	Asn	Pro	Phe	Ile	Tyr	
			275				280					285				
Thr	Ile	Arg	Asn	Lys	Glu	Val	Lys	Gly	Ala	Leu	Arg	Lys	Ala	Ile	Thr	
		290				295					300					
Cys	Ala	Asn	Arg	His	His	Ala	Lys									
		305			310											

<210> 1822

<211> 307

<212> PRT

<213> Mus musculus

<400> 1822

Met	Glu	Ser	Gly	Asn	Leu	Ser	Met	Ile	Ile	Glu	Phe	Ile	Leu	Thr	Gly	
				5					10					15		
Phe	Pro	Thr	Lys	Pro	Glu	Leu	Gln	Leu	Pro	Leu	Phe	Leu	Leu	Phe	Leu	
			20					25					30			
Gly	Ile	Tyr	Leu	Val	Thr	Val	Leu	Gly	Asn	Leu	Gly	Met	Ile	Ile	Leu	
		35					40					45				
Ile	Val	Leu	Ser	Ser	Gly	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Ser	
		50				55					60					
Ser	Leu	Ser	Phe	Ile	Asp	Leu	Cys	His	Ser	Thr	Val	Ile	Thr	Pro	Lys	
					70					75				80		
Met	Leu	Leu	Asn	Phe	Leu	Leu	Glu	Glu	Asn	Ile	Ile	Ser	Tyr	Pro	Glu	
				85					90					95		
Cys	Met	Thr	Gln	Leu	Tyr	Phe	Phe	Ser	Leu	Phe	Ala	Ile	Ala	Glu	Cys	
			100					105					110			
His	Met	Leu	Ala	Val	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Asn	
			115				120					125				
Pro	Leu	Leu	Tyr	Lys	Val	Val	Met	Ser	His	His	Val	Cys	Phe	Trp	Phe	
			130			135					140					
Thr	Val	Gly	Val	Tyr	Thr	Leu	Gly	Ile	Leu	Gly	Ser	Ser	Val	His	Thr	
					150					155					160	
Gly	Leu	Met	Leu	Lys	Leu	Phe	Phe	Cys	Lys	Thr	Asn	Lys	Ile	Asn	His	
				165					170					175		
Tyr	Phe	Cys	Asp	Leu	Phe	Pro	Leu	Leu	Glu	Leu	Ser	Cys	Ser	Ser	Ile	

Val	Ser	Ser	Val	Phe	Tyr	Thr	Thr	Val	Val	Pro	Met	Leu	Asn	Pro	Leu
		275					280					285			
Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Val	Lys	Ser	Ala	Val	Lys	Lys	Ile
	290					295					300				
Leu	Asn	Arg													
305															

<210> 1824
 <211> 314
 <212> PRT
 <213> Mus musculus

<400> 1824

Met	Phe	Gln	Gly	Asn	Leu	Ser	Gly	Val	Thr	Glu	Phe	Asn	Leu	Ala	Gly
1				5					10					15	
Leu	Thr	Asp	Lys	Pro	Gly	Leu	Gln	Leu	Pro	Leu	Phe	Leu	Leu	Phe	Leu
			20					25					30		
Gly	Ile	Tyr	Val	Val	Thr	Val	Val	Gly	Asn	Leu	Ser	Met	Ile	Thr	Leu
		35					40					45			
Ile	Leu	Phe	Ser	Ser	Gln	Leu	His	Thr	Pro	Met	Tyr	Tyr	Phe	Leu	Ser
	50					55					60				
Ser	Leu	Ser	Phe	Ile	Asp	Leu	Cys	Gln	Ser	Ile	Val	Ile	Ile	Pro	Lys
65					70					75					80
Met	Leu	Val	Asn	Phe	Val	Thr	Val	Gln	Asn	Ile	Ile	Ser	Tyr	Pro	Glu
				85					90					95	
Cys	Met	Thr	Gln	Phe	Cys	Ile	Phe	Ala	Thr	Phe	Thr	Ile	Ala	Glu	Cys
			100					105					110		
His	Met	Leu	Ala	Val	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Lys
		115					120					125			
Pro	Leu	Leu	Tyr	Asn	Ala	Val	Met	Ser	Tyr	Gln	Val	Cys	Ser	Trp	Met
		130				135					140				
Ile	Phe	Gly	Val	Tyr	Ile	Met	Ala	Phe	Val	Gly	Ala	Thr	Thr	Gln	Thr
145					150					155					160
Val	Phe	Met	Leu	Lys	Val	His	Phe	Cys	Lys	Ala	Asn	Val	Ile	Asn	His
				165					170					175	
Tyr	Phe	Cys	Asp	Leu	Ser	Pro	Leu	Leu	Glu	Leu	Ser	Cys	Ser	Asp	Thr
			180					185					190		
Phe	Ile	Asn	Glu	Val	Leu	Ala	Leu	Cys	Phe	Ser	Val	Phe	Asn	Ile	Phe
		195					200					205			
Ile	Pro	Thr	Leu	Thr	Ile	Leu	Ser	Ser	Tyr	Ile	Phe	Ile	Ile	Ala	Ser
		210				215					220				
Ile	Leu	Arg	Ile	Lys	Ser	Thr	Glu	Gly	Arg	Ser	Lys	Ala	Phe	Ser	Thr
225					230					235					240
Cys	Ser	Ser	His	Ile	Ser	Ala	Val	Ala	Ile	Phe	Phe	Gly	Ser	Leu	Ala
			245						250					255	
Phe	Met	Tyr	Leu	Gln	Pro	Ser	Ser	Ile	Asn	Ser	Met	Asp	Gln	Arg	Lys
			260					265					270		
Val	Ser	Ser	Val	Phe	Tyr	Thr	Ile	Val	Val	Pro	Met	Leu	Asn	Pro	Leu
		275					280					285			
Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Val	Lys	Val	Ala	Leu	Asn	Lys	Phe
	290					295					300				
Leu	Glu	Arg	Ile	Phe	Ser	Cys	Glu	Gln	Asn						
305					310										

<210> 1825
 <211> 311
 <212> PRT

<213> Mus musculus

<400> 1825

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Met Leu Lys Gly Asn Leu Ser Glu Val Thr Glu Phe Ile Leu Ala Gly
 1      5      10      15
Leu Thr Asn Lys Pro Glu Leu Gln Leu Pro Leu Phe Leu Leu Phe Leu
 20      25      30
Ala Ile Tyr Val Val Thr Val Val Gly Asn Leu Gly Met Ile Ile Leu
 35      40      45
Ile Leu Leu Ser Ser His Leu His Thr Pro Met Tyr Tyr Phe Leu Ser
 50      55      60
Ser Leu Ser Phe Ile Asp Leu Cys Gln Ser Thr Val Ile Ile Pro Lys
 65      70      75      80
Met Leu Val Asn Phe Val Thr Val Lys Asn Ile Ile Ser Tyr Pro Glu
 85      90      95
Cys Met Thr Gln Leu Tyr Phe Phe Val Thr Phe Ala Ile Ala Glu Cys
100      105      110
His Met Leu Ala Val Met Ala Tyr Asp Arg Tyr Val Ala Ile Cys Asn
115      120      125
Pro Leu Leu Tyr Asn Ala Val Met Ser Phe Gln Val Cys Ser Ser Met
130      135      140
Ile Phe Gly Val Tyr Ser Ile Ala Leu Ile Gly Ala Thr Thr His Thr
145      150      155      160
Val Cys Met Leu Arg Val Asn Phe Cys Lys Ala Asn Val Ile Asn His
165      170      175
Tyr Phe Cys Asp Leu Phe Pro Leu Leu Glu Leu Pro Cys Ser Asp Thr
180      185      190
Phe Ile Asn Glu Val Val Val Leu Cys Phe Ser Val Phe Asn Ile Phe
195      200      205
Ile Pro Thr Leu Thr Ile Leu Thr Ser Tyr Ile Phe Ile Ile Ala Ser
210      215      220
Ile Leu Arg Ile Lys Ser Thr Glu Gly Arg Ser Lys Ala Phe Ser Thr
225      230      235      240
Cys Ser Ser His Ile Ser Ala Val Ala Ile Phe Phe Gly Ser Leu Ala
245      250      255
Phe Met Tyr Leu Gln Pro Ser Ser Val Ser Ser Met Asp Gln Gly Lys
260      265      270
Val Ser Ser Val Phe Tyr Thr Ile Val Val Pro Met Leu Asn Pro Leu
275      280      285
Ile Tyr Ser Leu Arg Asn Lys Asp Val Lys Val Ala Leu Asn Lys Phe
290      295      300
Phe Glu Arg Lys Phe Phe Leu
305      310
```

<210> 1826

<211> 314

<212> PRT

<213> Mus musculus

<400> 1826

```
Met Phe Gln Gly Asn Leu Ser Gly Val Thr Glu Phe Asn Leu Ala Gly
 1      5      10      15
Leu Thr Asp Lys Pro Gly Leu Gln Val Pro Leu Phe Leu Leu Phe Leu
 20      25      30
Gly Ile Tyr Val Val Thr Val Val Gly Asn Leu Ser Met Ile Thr Leu
 35      40      45
Ile Leu Phe Ser Ser Gln Leu His Thr Pro Met Tyr Tyr Phe Leu Ser
 50      55      60
```

Ser	Leu	Ser	Phe	Ile	Asp	Leu	Cys	Gln	Ser	Asn	Val	Ile	Ile	Pro	Lys
65					70					75					80
Met	Leu	Val	Asn	Phe	Leu	Ala	Val	Lys	Asn	Ile	Ile	Ser	Tyr	Pro	Glu
			85						90					95	
Cys	Leu	Thr	Gln	Leu	Cys	Phe	Phe	Ala	Thr	Phe	Gly	Ile	Ala	Glu	Cys
			100					105					110		
Gln	Met	Leu	Ala	Val	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Lys
		115					120					125			
Pro	Leu	Leu	Tyr	Asn	Ala	Val	Met	Ser	Phe	Gln	Val	Cys	Ser	Trp	Met
	130					135					140				
Ile	Phe	Gly	Val	Phe	Ser	Met	Ala	Leu	Ile	Gly	Ala	Thr	Thr	Gln	Thr
145					150					155					160
Val	Cys	Met	Leu	Arg	Val	Asp	Phe	Cys	Asn	Ala	Asn	Val	Ile	Asn	His
				165					170					175	
Tyr	Phe	Cys	Asp	Leu	Ser	Pro	Leu	Leu	Lys	Leu	Ser	Cys	Ser	Asp	Thr
			180					185					190		
Phe	Ile	Asn	Glu	Val	Leu	Ala	Leu	Cys	Phe	Ser	Val	Phe	Asn	Ile	Phe
		195					200					205			
Ile	Pro	Thr	Leu	Thr	Ile	Leu	Ser	Ser	Tyr	Ile	Phe	Ile	Ile	Ala	Ser
	210					215					220				
Ile	Leu	Gln	Ile	Lys	Ser	Thr	Glu	Gly	Arg	Ser	Lys	Ala	Phe	Ser	Thr
225					230					235					240
Cys	Ser	Ser	His	Ile	Ser	Ala	Val	Ala	Ile	Phe	Phe	Gly	Ser	Leu	Ala
				245					250					255	
Phe	Met	Tyr	Leu	Gln	Pro	Ser	Ser	Val	Ser	Ser	Met	Asp	Gln	Gly	Lys
			260					265					270		
Val	Ser	Ser	Val	Phe	Tyr	Thr	Ile	Val	Val	Pro	Met	Leu	Asn	Pro	Leu
		275					280					285			
Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Val	Lys	Val	Ala	Leu	Asn	Lys	Phe
	290				295						300				
Leu	Glu	Arg	Ile	Phe	Ser	Cys	Lys	Gln	Asn						
305					310										

<210> 1827

<211> 312

<212> PRT

<213> Mus musculus

<400> 1827

Met	Ala	Tyr	Ser	Asn	Gln	Ser	Arg	Val	Thr	Glu	Phe	Ile	Ile	Ala	Gly
1				5					10					15	
Leu	Thr	Asn	Lys	Pro	Glu	Leu	Gln	Leu	Pro	Leu	Phe	Leu	Leu	Phe	Leu
			20					25					30		
Gly	Ile	Tyr	Leu	Phe	Thr	Val	Leu	Gly	Asn	Leu	Gly	Met	Ile	Ile	Leu
		35					40					45			
Ile	Leu	Leu	Ser	Ser	His	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Ser
	50					55					60				
Ser	Leu	Ser	Phe	Ile	Asp	Leu	Cys	Tyr	Ser	Thr	Ile	Ile	Thr	Pro	Lys
65					70					75					80
Met	Leu	Val	Asn	Phe	Val	Thr	Thr	Lys	Asn	Val	Ile	Ser	Tyr	Gln	Glu
				85					90					95	
Cys	Met	Thr	Gln	Leu	Tyr	Phe	Phe	Ile	Ala	Phe	Val	Ile	Ser	Glu	Cys
			100					105					110		
His	Met	Leu	Ala	Ala	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Asn
		115					120					125			
Pro	Leu	Leu	Tyr	Asn	Val	Thr	Met	Ser	Tyr	Gln	Val	Cys	Ser	Trp	Met
	130					135					140				
Val	Gly	Gly	Val	Tyr	Gly	Met	Gly	Phe	Ile	Gly	Ala	Ala	Ile	His	Thr

145		150		155		160									
Phe	Cys	Met	Leu	Arg	Val	Val	Phe	Cys	Lys	Asp	Asn	Ile	Ile	Asn	His
			165						170					175	
Tyr	Phe	Cys	Asp	Leu	Phe	Pro	Leu	Met	Glu	Leu	Ala	Cys	Ser	Ser	Thr
			180						185					190	
Tyr	Val	Asn	Glu	Val	Val	Leu	Leu	Ser	Leu	Ser	Ala	Phe	Asn	Ile	Phe
		195						200					205		
Ile	Pro	Thr	Leu	Thr	Ile	Leu	Gly	Ser	Tyr	Ile	Phe	Ile	Ile	Ile	Ser
	210					215					220				
Ile	Leu	Arg	Ile	Lys	Ser	Thr	Glu	Gly	Arg	Phe	Lys	Ala	Phe	Ser	Thr
225					230					235				240	
Cys	Ser	Ser	His	Phe	Ser	Ala	Val	Ser	Val	Phe	Phe	Gly	Ser	Leu	Ala
			245						250					255	
Phe	Met	Tyr	Leu	Gln	Pro	Phe	Ser	Val	Ser	Ser	Lys	Asp	Lys	Gly	Lys
		260						265					270		
Val	Ser	Ser	Val	Phe	Tyr	Thr	Thr	Ile	Val	Pro	Met	Leu	Asn	Pro	Met
		275					280					285			
Ile	Tyr	Ser	Leu	Arg	Asn	Arg	Asp	Val	Lys	Leu	Ala	Leu	Asn	Lys	Leu
	290				295						300				
Phe	Gln	Lys	Lys	Lys	Phe	His	Val								
305					310										

<210> 1828
 <211> 314
 <212> PRT
 <213> Mus musculus

<400> 1828

Met	Asn	Pro	Ala	Asn	His	Ser	Gln	Val	Ala	Thr	Phe	Phe	Leu	Leu	Gly
1				5					10					15	
Leu	Ser	Gln	Val	Trp	Glu	Leu	Arg	Phe	Leu	Phe	Phe	Thr	Val	Phe	Ser
			20					25					30		
Ala	Val	Tyr	Leu	Leu	Thr	Val	Thr	Gly	Asn	Leu	Leu	Ile	Val	Ala	Ile
		35				40						45			
Val	Thr	Ser	Asp	Pro	Arg	Leu	His	Thr	Thr	Met	Tyr	Phe	Leu	Leu	Gly
	50					55					60				
Asn	Leu	Ser	Phe	Leu	Asp	Phe	Cys	Tyr	Ser	Ser	Ile	Thr	Ala	Pro	Arg
65					70					75				80	
Met	Leu	Val	Asp	Leu	Ser	His	Ser	Pro	Thr	Ile	Ser	Phe	Gly	Ala	
			85					90					95		
Cys	Leu	Thr	Gln	Leu	Phe	Phe	Phe	His	Phe	Ile	Gly	Gly	Ile	Lys	Ile
			100					105					110		
Phe	Leu	Leu	Thr	Val	Met	Ala	Tyr	Asp	Arg	Tyr	Ile	Ala	Ile	Ser	Gln
		115				120					125				
Pro	Leu	Arg	Tyr	Thr	Leu	Ile	Met	Asn	Gln	Thr	Val	Cys	Gly	Ile	Phe
	130					135					140				
Met	Ala	Ala	Ser	Trp	Val	Gly	Gly	Phe	Ile	His	Ser	Ile	Val	Gln	Val
145					150					155				160	
Gly	Leu	Thr	Ile	His	Leu	Pro	Phe	Cys	Gly	Pro	Asp	Lys	Leu	Asp	Asn
				165					170					175	
Phe	Tyr	Cys	Asp	Val	Pro	Gln	Leu	Ile	Lys	Leu	Ala	Cys	Thr	Asp	Thr
			180					185					190		
Phe	Val	Leu	Glu	Leu	Leu	Met	Val	Ser	Asn	Asn	Gly	Leu	Val	Thr	Leu
		195					200					205			
Met	Cys	Phe	Leu	Val	Leu	Leu	Gly	Ser	Tyr	Thr	Ala	Leu	Leu	Val	Met
	210					215					220				
Leu	Arg	Ser	His	Ser	Lys	Glu	Gly	Arg	Ser	Lys	Ala	Leu	Ser	Thr	Cys
225					230					235				240	

<210> 1830
 <211> 313
 <212> PRT
 <213> Mus musculus

<400> 1830
 Met Glu Pro Gln Asn His Thr Ser Ala Ser Glu Phe Ile Leu Leu Gly
 1 5 10 15
 Leu Ser Glu Lys Pro Asp His Asp Pro Val Leu Phe Ser Leu Phe Leu
 20 25 30
 Cys Met Tyr Met Ile Thr Val Val Gly Asn Leu Leu Ile Ile Leu Ala
 35 40 45
 Ile Ser Phe Asp Ser His Leu His Thr Pro Met Tyr Phe Phe Leu Ala
 50 55 60
 Asn Leu Ser Leu Val Asp Phe Cys Leu Ala Thr Asn Thr Val Pro Lys
 65 70 75 80
 Met Leu Val Asn Ile Gln Thr Arg Asn Lys Ser Ile Ser Tyr Pro Cys
 85 90 95
 Cys Leu Thr Gln Met Tyr Phe Phe His Phe Phe Gly Ile Met Asp Ser
 100 105 110
 Val Leu Ile Ala Val Met Ala Tyr Asp Arg Phe Val Ala Ile Cys His
 115 120 125
 Pro Leu His Tyr Ser Thr Ile Met Ser Pro Arg Leu Cys Gly Leu Leu
 130 135 140
 Val Gly Val Pro Trp Val Tyr Ser Cys Phe Ile Ser Leu Thr His Ile
 145 150 155 160
 Leu Leu Met Ala Arg Leu Val Phe Cys Gly Lys Asn Glu Leu Pro His
 165 170 175
 Tyr Phe Cys Asp Leu Thr Pro Leu Leu Arg Leu Ser Cys Thr Asp Thr
 180 185 190
 Thr Val Asn Lys Ile Phe Val Leu Ile Val Ala Gly Met Val Ile Ala
 195 200 205
 Thr Pro Phe Val Cys Ile Leu Ala Ser Tyr Ala Arg Ile Ile Val Ala
 210 215 220
 Ile Met Lys Val Pro Ser Ala Gly Gly Arg Lys Lys Ala Phe Ser Thr
 225 230 235 240
 Cys Ser Ser His Leu Ser Val Val Ala Leu Phe Tyr Gly Thr Thr Ile
 245 250 255
 Gly Val Tyr Leu Cys Pro Ser Ser Val Arg Thr Ala Val Lys Glu Lys
 260 265 270
 Ala Ser Ala Val Met Tyr Thr Ala Val Thr Pro Met Leu Asn Pro Phe
 275 280 285
 Ile Tyr Ser Leu Arg Asn Arg Asp Leu Lys Gly Ala Leu Lys Lys Ile
 290 295 300
 Ile Asn Arg Lys Ile Ser Thr Ser Ser
 305 310

<210> 1831
 <211> 312
 <212> PRT
 <213> Mus musculus

<400> 1831
 Met Glu Ser Lys Asn Gln Thr Asp Val Ser Glu Phe Phe Leu Met Gly
 1 5 10 15
 Ile Thr Asp Asp Ile Ala Leu Lys Pro Leu Ile Phe Ser Met Phe Thr
 20 25 30

Ser	Met	Tyr	Leu	Ile	Thr	Ile	Leu	Gly	Asn	Leu	Leu	Ile	Ile	Leu	Thr
	35						40					45			
Val	Cys	Ser	Asp	Ser	His	Leu	Gln	Thr	Pro	Met	Tyr	Ile	Phe	Leu	Ser
	50					55					60				
Asn	Leu	Ser	Phe	Asn	Asp	Ile	Cys	Leu	Ser	Thr	Thr	Ile	Ile	Pro	Lys
65					70					75					80
Thr	Leu	Val	Asn	Ile	His	Ala	Gln	Asp	Gln	Ser	Ile	Thr	Tyr	Thr	Ser
			85						90					95	
Cys	Leu	Thr	Gln	Ile	Cys	Phe	Thr	Leu	Leu	Phe	Cys	Ser	Phe	Glu	Ser
			100					105					110		
Cys	Leu	Leu	Ser	Val	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	His
	115						120					125			
Pro	Leu	Asn	Tyr	Thr	Thr	Ile	Met	Asn	Pro	Gln	Thr	Cys	Gly	Leu	Leu
	130					135					140				
Ile	Leu	Leu	Ser	Leu	Ile	Ile	Ser	Leu	Val	Asn	Ser	Gly	Leu	Leu	Gly
145					150					155					160
Leu	Met	Val	Leu	Arg	Leu	Ser	Phe	Cys	Thr	Asn	Leu	Glu	Ile	Pro	Leu
				165					170					175	
Phe	Phe	Cys	Glu	Leu	Ala	Gln	Val	Ile	Lys	Leu	Ala	Cys	Ser	Asp	Thr
			180					185					190		
Leu	Val	Asn	Tyr	Ile	Leu	Ile	Tyr	Leu	Ala	Thr	Ile	Ile	Leu	Asn	Gly
		195					200					205			
Ile	Pro	Ile	Ser	Gly	Ile	Ile	Phe	Ser	Tyr	Thr	Gln	Ile	Ala	Ser	Ser
	210					215					220				
Val	Leu	Arg	Met	Ser	Ser	Val	Lys	Gly	Lys	Tyr	Lys	Ala	Ile	Ser	Thr
225					230					235					240
Cys	Gly	Ser	His	Leu	Ser	Val	Val	Ser	Leu	Phe	Tyr	Gly	Thr	Ala	Leu
			245						250					255	
Gly	Val	Tyr	Ile	Ser	Ser	Ser	Phe	Thr	Thr	Ser	Val	Thr	Asn	Thr	Ala
			260					265					270		
Phe	Ala	Tyr	Val	Met	Cys	Thr	Leu	Val	Pro	Gln	Met	Leu	Asn	Pro	Phe
		275					280					285			
Ile	Tyr	Ser	Leu	Arg	Asn	Arg	Asp	Met	Glu	Val	Ala	Leu	Arg	Lys	His
	290					295					300				
Ile	Asn	Arg	Ala	Met	Cys	Leu	Leu								
305					310										

<210> 1832

<211> 314

<212> PRT

<213> Mus musculus

<400> 1832

Met	Gly	Arg	Glu	Asn	Gln	Ser	Phe	Val	Asp	Glu	Phe	Val	Leu	Leu	Gly
1				5					10					15	
Leu	Ser	Gln	Asp	Ala	Gln	Thr	Gln	Ile	Leu	Leu	Phe	Val	Leu	Phe	Phe
			20					25					30		
Ile	Val	Tyr	Ile	Leu	Thr	Val	Leu	Gly	Asn	Leu	Leu	Ile	Ile	Val	Leu
		35					40					45			
Ile	Leu	Met	Asp	Ser	Arg	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Arg
	50					55					60				
Asn	Leu	Ser	Phe	Ala	Asp	Leu	Cys	Phe	Ser	Asn	Ser	Ile	Val	Pro	Gln
65					70					75					80
Val	Leu	Ser	His	Phe	Leu	Val	Lys	Arg	Lys	Thr	Ile	Ser	Phe	Trp	Gly
			85						90					95	
Cys	Val	Thr	Gln	Val	Ile	Val	Ser	Leu	Gln	Ile	Gly	Cys	Thr	Glu	Cys
			100					105					110		
Ala	Leu	Leu	Ala	Val	Met	Ser	Tyr	Asp	Arg	Tyr	Val	Ala	Val	Cys	Lys

Ala	Thr	Val	Leu	Phe	Ile	Leu	Phe	Pro	Phe	Leu	Leu	Ile	Leu	Gly	Ser
210						215					220				
Tyr	Val	Arg	Ile	Leu	Ser	Thr	Ile	Phe	Arg	Met	Pro	Ser	Ala	Glu	Gly
225					230					235					240
Lys	Arg	Lys	Ala	Phe	Ser	Thr	Cys	Ser	Ser	His	Leu	Leu	Val	Val	Ser
				245					250						255
Leu	Phe	Tyr	Ser	Thr	Ala	Ile	Leu	Thr	Tyr	Phe	Arg	Pro	Arg	Ser	Asn
			260					265					270		
Thr	Ser	Pro	Glu	Asn	Lys	Lys	Met	Leu	Ser	Leu	Ser	Tyr	Thr	Val	Ile
		275					280					285			
Thr	Pro	Met	Leu	Asn	Pro	Ile	Ile	Tyr	Ser	Leu	Arg	Asn	Asn	Glu	Val
	290					295					300				
Lys	Ala	Ala	Leu	Arg	Arg	Ile	Ile	His	Arg	Thr	Leu	Gly	Pro	Gln	Lys
305					310					315					320
Leu															

<210> 1834

<211> 311

<212> PRT

<213> Mus musculus

<400> 1834

Met	Glu	Leu	Trp	Asn	Ser	Thr	Val	Gly	Ser	Gly	Phe	Ile	Leu	Val	Gly
1				5					10					15	
Ile	Leu	Asp	Gly	Ser	Gly	Ser	Pro	Glu	Leu	Leu	Cys	Ala	Ala	Ile	Thr
			20					25					30		
Ala	Leu	Tyr	Phe	Leu	Ala	Leu	Thr	Ser	Asn	Gly	Leu	Leu	Leu	Leu	Val
		35					40					45			
Ile	Thr	Met	Asp	Ala	Arg	Leu	His	Val	Pro	Met	Tyr	Leu	Leu	Leu	Gly
	50					55				60					
Gln	Leu	Ser	Leu	Met	Asp	Leu	Leu	Leu	Thr	Ser	Val	Ile	Thr	Pro	Lys
65				70					75						80
Ala	Val	Val	Asp	Phe	Leu	Leu	Lys	Asp	Asn	Thr	Ile	Ser	Phe	Gly	Gly
				85				90						95	
Cys	Ala	Leu	Gln	Met	Phe	Leu	Glu	Leu	Ala	Leu	Gly	Ser	Ala	Glu	Asp
			100					105					110		
Leu	Leu	Leu	Ala	Phe	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Gln
		115					120					125			
Pro	Leu	Asn	Tyr	Thr	Ile	Leu	Met	Ser	His	Lys	Val	Cys	Trp	Leu	Met
		130				135						140			
Ile	Ala	Thr	Ser	Trp	Ile	Leu	Ala	Ser	Leu	Ser	Ala	Leu	Gly	Tyr	Ser
145					150					155					160
Ile	Tyr	Thr	Met	Gln	Tyr	Ser	Phe	Cys	Lys	Asn	Arg	Gln	Ile	Asn	His
			165						170					175	
Leu	Phe	Cys	Glu	Ile	Pro	Pro	Leu	Leu	Lys	Leu	Ala	Cys	Ala	Asp	Thr
			180					185					190		
Ser	Thr	Tyr	Glu	Leu	Met	Val	Tyr	Leu	Met	Gly	Val	Ile	Val	Leu	Ile
		195					200					205			
Leu	Pro	Leu	Thr	Ala	Ile	Leu	Ala	Ser	Tyr	Ser	Leu	Ile	Leu	Phe	Thr
		210				215					220				
Val	Leu	Asn	Met	Pro	Ser	Asn	Glu	Gly	Arg	Lys	Lys	Ala	Leu	Val	Ile
225					230					235					240
Cys	Ser	Ser	His	Leu	Thr	Val	Val	Gly	Met	Trp	Tyr	Gly	Gly	Ala	Ser
				245					250					255	
Phe	Met	Tyr	Val	Leu	Pro	Ser	Pro	Phe	His	Ser	Pro	Lys	Gln	Asp	Asn
			260					265					270		
Ile	Ser	Ser	Val	Phe	Tyr	Thr	Ile	Val	Thr	Pro	Ala	Leu	Asn	Pro	Leu

	275		280		285
Ile	Tyr Ser Leu Arg Asn Lys	Glu Val Thr Gly Ala	Leu Lys Arg Val		
	290	295	300		
Leu	Gly Lys Arg Leu Ser Ala				
305	310				

<210> 1835
 <211> 310
 <212> PRT
 <213> Mus musculus

<400> 1835

Met	Gly	Lys	Leu	Asn	His	Thr	Tyr	Leu	Thr	Glu	Phe	Ile	Leu	Leu	Gly
1				5					10				15		
Leu	Ser	Ser	Asp	His	Gln	Thr	Gln	Ile	Leu	Leu	Phe	Val	Val	Phe	Leu
			20					25				30			
Ile	Ile	Tyr	Leu	Ile	Thr	Val	Phe	Gly	Asn	Leu	Leu	Ile	Ile	Leu	Leu
		35					40					45			
Ile	His	Val	Asp	Ser	Arg	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Lys
	50					55					60				
Ile	Leu	Ser	Phe	Asn	Asp	Leu	Cys	Phe	Ser	Thr	Ile	Val	Pro	Lys	
65				70					75					80	
Met	Leu	Val	His	Phe	Leu	Gly	Val	Arg	Lys	Thr	Ile	Ser	Phe	Ala	Gly
			85						90					95	
Cys	Ser	Val	Gln	Met	Phe	Ser	Phe	Leu	Ile	Met	Gly	Cys	Thr	Glu	Ser
			100					105					110		
Ser	Leu	Leu	Ala	Val	Met	Ser	Tyr	Asp	Arg	Tyr	Ile	Ala	Val	Cys	Lys
		115					120					125			
Pro	Leu	His	Tyr	Ser	Thr	Ile	Met	Thr	His	Lys	Val	Cys	Val	Leu	Leu
	130					135					140				
Val	Val	Gly	Ser	Trp	Thr	Ser	Gly	Ile	Phe	Val	Ser	Val	Val	Asp	Thr
145					150					155				160	
Ser	Phe	Thr	Leu	Cys	Leu	Thr	Tyr	Arg	Gly	Pro	Asn	Ile	Ile	Asn	His
			165						170					175	
Tyr	Phe	Cys	Glu	Pro	Pro	Ala	Leu	Leu	Lys	Leu	Ala	Ser	Glu	Glu	Thr
			180					185					190		
Tyr	Thr	Ala	Glu	Met	Val	Ile	Phe	Ala	Met	Gly	Ile	Ile	Ile	Leu	Leu
	195						200					205			
Gly	Pro	Val	Ser	Leu	Ile	Leu	Phe	Ser	Tyr	Trp	Asn	Ile	Ile	Ser	Thr
	210				215						220				
Val	Val	Gln	Ile	Gln	Ser	Gly	Glu	Gly	Arg	Leu	Lys	Val	Phe	Ser	Thr
225					230					235				240	
Cys	Ser	Ser	His	Phe	Ile	Val	Val	Ile	Phe	Phe	Tyr	Gly	Ser	Thr	Ile
			245						250					255	
Phe	Thr	Tyr	Met	Gln	Pro	Asn	Ser	Lys	Lys	Met	Asn	Glu	Lys	Asp	Lys
			260					265					270		
Val	Ile	Ser	Val	Phe	Tyr	Ser	Ile	Val	Thr	Ser	Met	Met	Asn	Pro	Phe
	275						280					285			
Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Val	Lys	Gly	Ala	Leu	Lys	Lys	Val
	290				295						300				
Leu	Lys	Arg	Glu	Ile	Arg										
305					310										

<210> 1836
 <211> 316
 <212> PRT
 <213> Mus musculus

<400> 1836

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Met Glu Leu Trp Asn Ser Thr Leu Gly Ser Gly Phe Ile Leu Val Gly
 1      5      10      15
Ile Leu Asp Asp Ser Gly Ser Pro Glu Ile Leu Cys Ala Thr Phe Thr
 20      25      30
Ala Leu Tyr Met Leu Ala Met Ile Ser Asn Gly Ile Leu Leu Leu Val
 35      40      45
Ile Thr Met Asp Ala Arg Leu His Val Pro Met Tyr Leu Leu Leu Trp
 50      55      60
Gln Leu Ser Leu Met Asp Leu Leu Leu Thr Ser Val Ile Thr Pro Lys
 65      70      75      80
Ala Val Ile Asp Phe Leu Leu Lys Asp Asn Thr Ile Ser Phe Gly Gly
 85      90      95
Cys Ala Leu Gln Met Phe Leu Glu Leu Thr Leu Gly Gly Ala Glu Asp
100      105      110
Leu Leu Leu Ala Phe Met Ala Tyr Gly Arg Tyr Val Ala Ile Cys His
115      120      125
Pro Leu Asn Tyr Met Thr Phe Met Lys Pro Arg Ile Cys Trp Leu Gly
130      135      140
Val Phe Ile Ser Trp Thr Leu Ala Ser Leu Ser Ala Val Gly Tyr Thr
145      150      155      160
Ile Tyr Thr Met Gln Tyr Pro Phe Cys Lys Ser Arg Lys Ile Arg His
165      170      175
Leu Phe Cys Glu Ile Pro Pro Leu Leu Lys Leu Ala Cys Ala Asp Thr
180      185      190
Ser Lys Tyr Glu Leu Met Val Tyr Val Met Gly Val Ile Phe Leu Leu
195      200      205
Leu Pro Leu Ala Ala Ile Leu Ser Ser Tyr Thr Leu Ile Leu Leu Thr
210      215      220
Val Leu His Met Pro Ser His Glu Gly Arg Lys Lys Ala Leu Val Thr
225      230      235      240
Cys Ser Ser His Leu Thr Val Val Gly Met Trp Tyr Gly Gly Ala Ser
245      250      255
Phe Met Tyr Val Leu Pro Ser Ser Phe His Thr Pro Lys Gln Asp Asn
260      265      270
Ile Phe Ser Val Phe Tyr Thr Ile Val Thr Pro Ala Leu Asn Pro Leu
275      280      285
Ile Tyr Ser Leu Arg Asn Lys Glu Val Thr Gly Ala Leu Arg Arg Val
290      295      300
Leu Gly Gly Arg Leu Leu Pro Glu His Ser Thr Phe
305      310      315
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<210> 1837

<211> 317

<212> PRT

<213> Mus musculus

<400> 1837

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Met Glu Phe Arg Asn Ser Thr Leu Gly Ser Gly Phe Ile Leu Val Gly
 1      5      10      15
Ile Leu Asn Gly Ser Asp Ser Pro Glu Leu Leu Cys Ala Thr Ile Thr
 20      25      30
Phe Leu Tyr Thr Leu Ala Leu Thr Ser Asn Gly Leu Leu Leu Val
 35      40      45
Ile Thr Val Asp Thr Arg Leu His Val Pro Met Tyr Leu Leu Leu Gly
 50      55      60
Gln Leu Ser Leu Ile Asp Leu Leu Leu Thr Ser Val Ile Thr Pro Lys
```


65					70					75				80
Ala	Val	Met	Asp	Phe	Leu	Leu	Arg	Asp	Asn	Thr	Ile	Ser	Phe	Gly
				85					90					95
Cys	Ala	Leu	Gln	Met	Phe	Ile	Glu	Leu	Val	Leu	Gly	Gly	Ala	Glu
			100					105					110	
Leu	Leu	Leu	Ala	Phe	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys
			115					120				125		
Pro	Leu	Asn	Tyr	Met	Ile	Leu	Met	Ser	Pro	Arg	Val	Cys	Trp	Leu
			130				135				140			
Val	Thr	Ala	Ser	Trp	Ile	Leu	Ser	Ile	Gln	Met	Ala	Leu	Gly	Phe
145					150					155				160
Ile	Asn	Thr	Met	His	Tyr	Ser	Phe	Cys	Lys	Ser	Arg	His	Ile	Arg
				165					170					175
Leu	Phe	Cys	Glu	Ile	Pro	Pro	Leu	Leu	Asp	Leu	Ala	Cys	Ala	Asp
			180					185					190	
Ser	Ser	Tyr	Lys	Leu	Val	Val	Tyr	Leu	Val	Gly	Val	Phe	Met	Leu
			195				200					205		
Leu	Pro	Leu	Thr	Ala	Ile	Phe	Phe	Ser	Tyr	Ala	Arg	Ile	Leu	Phe
			210			215					220			
Val	Leu	His	Met	Pro	Ser	Asn	Glu	Ser	Arg	Lys	Lys	Ala	Leu	Val
225					230					235				240
Cys	Ser	Ser	His	Met	Thr	Val	Val	Gly	Met	Tyr	Tyr	Gly	Ala	Leu
				245					250					255
Val	Met	Tyr	Phe	Leu	Pro	Ser	Ser	Tyr	His	Asn	Pro	Lys	Gln	Asp
			260					265					270	
Ile	Leu	Ser	Val	Phe	Tyr	Thr	Ile	Val	Thr	Pro	Ala	Leu	Asn	Pro
			275				280					285		
Ile	His	Ser	Leu	Arg	Asn	Lys	Glu	Val	Thr	Gly	Ala	Leu	Arg	Lys
			290			295					300			
Leu	Gly	Asn	Thr	Cys	Cys	His	His	Pro	Ile	His	Leu	Arg		
305					310					315				

<210> 1838
 <211> 315
 <212> PRT
 <213> Mus musculus

<400> 1838

Met	Glu	Val	Phe	Asn	Ser	Thr	Leu	Gly	Ser	Gly	Phe	Ile	Leu	Val	Gly
1				5					10					15	
Ile	Leu	Asn	Asp	Ser	Gly	Phe	Pro	Glu	Met	Leu	Cys	Ala	Ile	Ile	Ile
			20					25					30		
Ala	Leu	Tyr	Phe	Leu	Ala	Leu	Thr	Ser	Asn	Gly	Leu	Leu	Leu	Leu	Val
			35				40					45			
Ile	Thr	Met	Asp	Ala	Arg	Leu	His	Met	Pro	Met	Tyr	Leu	Leu	Leu	Trp
			50			55					60				
Gln	Leu	Ser	Leu	Met	Asp	Leu	Leu	Gln	Pro	Ser	Val	Ile	Ile	Pro	Lys
65					70					75					80
Ala	Val	Leu	Asp	Phe	Leu	Leu	Lys	Asp	Asn	Thr	Ile	Ser	Phe	Gly	Gly
				85					90					95	
Cys	Ala	Phe	Gln	Met	Phe	Leu	Ala	Leu	Thr	Leu	Gly	Ser	Ala	Glu	Asp
			100					105					110		
Leu	Leu	Leu	Ser	Phe	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	His
			115				120					125			
Pro	Leu	Asn	Tyr	Thr	Ile	Leu	Met	Ser	Gln	Lys	Val	Cys	Tyr	Leu	Met
			130				135				140				
Ile	Ala	Thr	Ser	Trp	Ile	Leu	Ala	Ser	Leu	Ser	Ala	Leu	Gly	Tyr	Ser
145					150					155					160

Met	Tyr	Thr	Met	Gln	Tyr	Pro	Phe	Cys	Lys	Ser	Arg	Gln	Ile	Arg	His
				165					170					175	
Leu	Phe	Cys	Glu	Ile	Pro	Pro	Leu	Leu	Lys	Leu	Ala	Cys	Gly	Asp	Thr
			180					185					190		
Ser	Thr	Tyr	Glu	Leu	Met	Val	Tyr	Leu	Met	Gly	Val	Thr	Leu	Leu	Phe
		195					200					205			
Pro	Ala	Leu	Ala	Ala	Ile	Leu	Thr	Ser	Tyr	Ser	Leu	Ile	Leu	Leu	Thr
	210					215					220				
Val	Leu	His	Met	Pro	Ser	Asn	Glu	Gly	Arg	Lys	Lys	Ala	Leu	Val	Thr
225					230					235					240
Cys	Ser	Ser	His	Leu	Thr	Val	Val	Gly	Met	Trp	Tyr	Gly	Gly	Ala	Ile
			245						250					255	
Phe	Met	Tyr	Ile	Leu	Pro	Ser	Ser	Phe	His	Ser	Pro	Lys	Gln	Asp	Asn
			260					265					270		
Ile	Ser	Ser	Val	Phe	Tyr	Met	Ile	Val	Thr	Pro	Ala	Leu	Asn	Pro	Leu
		275					280					285			
Ile	Tyr	Ser	Leu	Arg	Asn	Asn	Glu	Val	Ile	Glu	Ala	Leu	Lys	Arg	Val
	290				295						300				
Leu	Gly	Lys	Lys	Phe	Ser	Val	His	Ser	Thr	Phe					
305					310					315					

<210> 1839

<211> 318

<212> PRT

<213> Mus musculus

<400> 1839

Met	Gly	Gly	Gly	Asn	Gln	Thr	Tyr	Ile	Val	Glu	Phe	Ile	Leu	Leu	Gly
1				5					10					15	
Leu	Ser	Glu	Asn	Pro	Lys	Val	Gln	Ile	Leu	Leu	Phe	Cys	Ile	Phe	Leu
			20					25					30		
Ile	Ile	Tyr	Phe	Leu	Ser	Val	Phe	Gly	Asn	Leu	Val	Ile	Ile	Ile	Leu
		35					40					45			
Ile	Gln	Ile	Asp	Ser	Arg	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Lys
	50					55					60				
Asn	Leu	Ser	Phe	Ala	Asp	Leu	Cys	Phe	Ser	Thr	Ser	Ile	Val	Pro	Gln
65					70					75					80
Met	Leu	Val	His	Phe	Leu	Ser	Lys	Arg	Lys	Thr	Ile	Ser	Phe	Ile	Gly
			85						90					95	
Cys	Ser	Ile	Gln	Ile	Val	Val	Phe	Leu	Leu	Ala	Gly	Cys	Thr	Glu	Cys
			100					105					110		
Ala	Leu	Leu	Ala	Val	Met	Ser	Tyr	Asp	Arg	Tyr	Val	Ala	Val	Cys	Lys
			115					120				125			
Pro	Leu	His	Tyr	Ser	Thr	Ile	Met	Thr	Gln	Arg	Val	Cys	Cys	Gln	Leu
	130					135					140				
Ala	Ile	Val	Ser	Trp	Ile	Ser	Gly	Ala	Phe	Ala	Cys	Ser	Val	Asp	Ser
145					150					155					160
Ala	Phe	Thr	Leu	Cys	Ile	Pro	Tyr	Gln	Gly	Gln	Asn	Val	Ile	Asn	His
				165					170					175	
Tyr	Phe	Cys	Glu	Pro	Pro	Ala	Leu	Leu	Lys	Leu	Ala	Ser	Ala	Asp	Thr
			180					185					190		
Tyr	Asn	Ala	Glu	Met	Ala	Leu	Phe	Leu	Val	Gly	Val	Ile	Ile	Leu	Leu
		195					200					205			
Ala	Pro	Val	Ser	Leu	Ile	Leu	Val	Ser	Tyr	Gly	Asn	Ile	Ile	Ser	Thr
	210					215					220				
Val	Ile	Arg	Met	Gln	Ser	Arg	Glu	Gly	Arg	Leu	Lys	Val	Phe	Ser	Thr
225					230					235					240
Cys	Gly	Ser	His	Leu	Thr	Val	Val	Val	Leu	Tyr	Tyr	Gly	Ser	Gly	Ile

				245					250					255			
Phe	Ala	Tyr	Met	Arg	Pro	Asn	Ser	Lys	Thr	Met	Ser	Glu	Lys	Asp	Lys		
			260					265					270				
Val	Val	Ser	Val	Phe	Tyr	Ser	Val	Met	Thr	Ser	Met	Leu	Asn	Pro	Ile		
		275					280					285					
Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Val	Lys	Gly	Ala	Leu	Gly	Lys	Leu		
	290					295					300						
Val	Gly	Arg	Leu	Ser	Thr	Val	Lys	Gly	Gly	Ala	Ala	Glu	Met				
305					310					315							

<210> 1840

<211> 319

<212> PRT

<213> Mus musculus

<400> 1840

Met	Glu	Phe	Arg	Asn	Ser	Thr	Met	Gly	Asn	Gly	Phe	Ile	Leu	Val	Gly		
1				5				10					15				
Ile	Leu	Asp	Asp	Ser	Gly	Ala	Pro	Asp	Leu	Leu	Cys	Ala	Thr	Ile	Thr		
		20						25				30					
Ala	Leu	Tyr	Met	Leu	Ala	Leu	Thr	Ser	Asn	Gly	Val	Leu	Leu	Leu	Val		
		35					40				45						
Ile	Thr	Met	Asp	Ala	Arg	Leu	Arg	Val	Pro	Met	Tyr	Leu	Leu	Leu	Gly		
	50					55					60						
Gln	Leu	Ser	Leu	Met	Asp	Leu	Leu	Leu	Thr	Ser	Val	Ile	Thr	Pro	Lys		
65					70					75					80		
Ala	Val	Ile	Asp	Phe	Leu	Leu	Lys	Asp	Asn	Thr	Ile	Ser	Phe	Gly	Gly		
			85					90					95				
Cys	Ala	Leu	Gln	Met	Phe	Leu	Glu	Leu	Val	Leu	Gly	Ser	Ala	Glu	Asp		
		100					105						110				
Leu	Leu	Leu	Ala	Phe	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	His		
		115					120					125					
Pro	Leu	Asn	Tyr	Met	Ile	Phe	Met	Arg	Pro	Ser	Val	Cys	Trp	Phe	Ile		
	130					135					140						
Val	Gly	Thr	Ile	Trp	Ile	Leu	Ala	Ser	Val	Ile	Ala	Leu	Gly	Phe	Thr		
145					150					155					160		
Ile	Tyr	Thr	Met	Asn	Tyr	Pro	Phe	Cys	Lys	Ser	Arg	Gln	Ile	Arg	His		
			165					170						175			
Leu	Phe	Cys	Glu	Ile	Pro	Pro	Leu	Leu	Lys	Leu	Ala	Cys	Glu	Asp	Thr		
		180					185					190					
Ser	Thr	Tyr	Glu	Leu	Met	Val	Tyr	Leu	Ala	Gly	Val	Ser	Val	Leu	Ile		
		195					200				205						
Leu	Pro	Leu	Ala	Val	Ile	Leu	Ala	Ser	Tyr	Val	Arg	Ile	Leu	Phe	Thr		
	210					215					220						
Val	Leu	His	Met	Pro	Ser	Asn	Glu	Gly	Arg	Lys	Lys	Ala	Leu	Val	Thr		
225					230					235					240		
Cys	Ser	Ser	His	Leu	Ile	Val	Val	Gly	Met	Trp	Tyr	Gly	Gly	Ser	Ser		
			245					250					255				
Leu	Met	Tyr	Val	Leu	Pro	Ser	Gln	Phe	His	Ser	Pro	Lys	Gln	Asp	Asn		
		260					265					270					
Ile	Leu	Ser	Ile	Phe	Tyr	Thr	Ile	Val	Thr	Pro	Ala	Leu	Asn	Pro	Leu		
	275						280					285					
Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Glu	Val	Thr	Gly	Ala	Leu	Arg	Arg	Ile		
	290					295					300						
Phe	Gly	Lys	Trp	Leu	Gly	Pro	Ala	His	Phe	Leu	Gly	Ser	Ser	Phe			
305					310					315							

<210> 1841
 <211> 316
 <212> PRT
 <213> Mus musculus

<400> 1841

Met	Ala	Gly	Thr	Asn	His	Thr	Glu	Val	Ile	Glu	Tyr	Val	Leu	Leu	Gly
1				5					10					15	
Leu	Gln	Asp	His	His	Gly	Leu	Glu	Ile	Ala	Leu	Phe	Val	Leu	Cys	Leu
			20					25					30		
Gly	Ile	Tyr	Cys	Met	Thr	Leu	Leu	Gly	Asn	Ser	Phe	Leu	Val	Gly	Leu
		35					40					45			
Ile	Val	Leu	Asp	Thr	His	Leu	His	Ser	Pro	Met	Tyr	Phe	Phe	Ile	Ser
	50					55					60				
Asn	Leu	Ser	Leu	Ile	Asp	Ile	Cys	Gly	Thr	Ser	Ser	Phe	Thr	Pro	Met
65					70					75					80
Met	Leu	Leu	Asn	Phe	Leu	Asp	Val	Gln	Arg	Thr	Ile	Ser	Phe	Pro	Ser
				85					90					95	
Cys	Ala	Leu	Gln	Met	Tyr	Leu	Thr	Leu	Ala	Leu	Gly	Thr	Thr	Glu	Cys
			100						105					110	
Leu	Leu	Leu	Ala	Val	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Gln
		115						120				125			
Pro	Leu	His	Tyr	Pro	Glu	Leu	Met	Asn	Gly	Pro	Leu	Cys	Ile	Gln	Met
	130					135						140			
Ala	Gly	Ile	Ser	Trp	Gly	Thr	Gly	Phe	Ala	Asn	Ser	Leu	Leu	His	Ser
145					150					155					160
Ile	Leu	Val	Trp	His	Leu	Pro	Phe	Cys	Gly	His	Tyr	Ile	Ile	Asn	His
				165					170					175	
Phe	Phe	Cys	Glu	Ile	Leu	Ala	Val	Leu	Lys	Leu	Ala	Cys	Gly	Asp	Ile
			180					185					190		
Ser	Leu	Asn	Ala	Leu	Ile	Leu	Thr	Val	Ala	Thr	Ala	Val	Leu	Thr	Met
		195					200					205			
Thr	Pro	Leu	Leu	Leu	Ile	Cys	Leu	Ser	Tyr	Ile	Phe	Ile	Leu	Ala	Ala
	210					215						220			
Ile	Leu	Arg	Val	Pro	Ser	Ala	Ala	Gly	Arg	Ser	Lys	Ala	Phe	Ser	Thr
225					230					235					240
Cys	Ser	Ala	His	Leu	Thr	Val	Val	Val	Ile	Phe	Tyr	Gly	Thr	Ile	Thr
			245						250					255	
Phe	Met	Tyr	Leu	Lys	Pro	Lys	Asp	Gln	Asp	Pro	Ser	Val	Gly	Lys	Ile
		260						265					270		
Ile	Thr	Leu	Leu	Tyr	Ala	Ile	Val	Ala	Pro	Ser	Leu	Asn	Ala	Phe	Ile
		275					280					285			
Tyr	Ser	Leu	Arg	Asn	Ser	Glu	Val	Lys	Ala	Ala	Val	Thr	Ala	Leu	Leu
	290					295					300				
Trp	Gly	Gly	Leu	Leu	Thr	Arg	Lys	Met	Ser	His	Phe				
305					310					315					

<210> 1842
 <211> 321
 <212> PRT
 <213> Mus musculus

<400> 1842

Met	Asn	Thr	Trp	Asn	Tyr	Thr	Lys	Glu	Ser	Asp	Phe	Ile	Leu	Met	Gly
1				5					10					15	
Leu	Thr	Asp	Ser	Lys	Glu	Ile	Gln	Leu	Val	Leu	Thr	Val	Leu	Phe	Val
			20					25					30		
Leu	Ile	Tyr	Leu	Val	Thr	Val	Leu	Gly	Asn	Ala	Gly	Met	Met	Leu	Ile

Leu	Ile	Leu	Ala	Ala	Met	Ala	Tyr	Asp	Arg	Tyr	Ala	Ala	Ile	Cys	Asn
		115						120				125			
Pro	Leu	Leu	Tyr	Ser	Thr	Leu	Val	Ser	Arg	Arg	Val	Cys	Phe	Ser	Leu
	130					135					140				
Val	Val	Leu	Ala	Tyr	Phe	Ser	Gly	Ser	Val	Thr	Ser	Leu	Val	His	Val
	145					150					155				160
Ser	Leu	Ala	Phe	Met	Leu	Pro	Tyr	Cys	Arg	Ser	Asn	Ile	Val	Asn	His
				165						170					175
Phe	Phe	Cys	Asp	Ile	Pro	Pro	Leu	Leu	Ala	Leu	Ser	Cys	Ala	Asp	Thr
			180						185					190	
His	Ile	Asn	Glu	Leu	Leu	Leu	Phe	Ala	Leu	Cys	Gly	Thr	Ile	Gln	Thr
		195					200					205			
Ser	Thr	Phe	Met	Val	Ile	Leu	Ile	Ser	Tyr	Ser	Cys	Ile	Leu	Ile	Thr
	210					215					220				
Val	Leu	Ser	Ile	Lys	Ser	Thr	Gly	Gly	Arg	Ser	Lys	Thr	Phe	Ser	Thr
	225					230					235				240
Cys	Ala	Ser	His	Leu	Ile	Ala	Val	Thr	Leu	Phe	Tyr	Gly	Thr	Leu	Leu
				245						250					255
Phe	Met	Tyr	Leu	Arg	Pro	Thr	Thr	Ser	Tyr	Ser	Pro	Asp	Thr	Asp	Lys
			260						265					270	
Val	Val	Ala	Leu	Phe	Tyr	Thr	Val	Val	Phe	Pro	Met	Leu	Asn	Pro	Ile
		275					280						285		
Ile	Tyr	Ser	Phe	Arg	Asn	Lys	Asp	Val	Lys	Asn	Ala	Leu	Lys	Lys	Leu
	290					295					300				
Phe	Asp	Arg	Leu	Gly	Ile	Phe	Arg								
	305				310										

<210> 1844

<211> 310

<212> PRT

<213> Mus musculus

<400> 1844

Met	Glu	Asn	Ile	Thr	Glu	Val	Thr	Glu	Phe	Ile	Leu	Met	Gly	Phe	Thr
1				5					10					15	
Asp	Asn	Ala	Asp	Leu	Glu	Ile	Leu	Ser	Phe	Phe	Leu	Phe	Leu	Ala	Ile
		20						25					30		
Tyr	Leu	Phe	Thr	Leu	Met	Gly	Asn	Leu	Gly	Leu	Ile	Thr	Leu	Val	Ile
	35					40						45			
Gly	Asp	Ser	Arg	Leu	His	Asn	Pro	Met	Tyr	Tyr	Phe	Leu	Ser	Val	Leu
	50					55					60				
Ser	Ser	Val	Asp	Ala	Cys	Tyr	Ser	Thr	Val	Ile	Thr	Pro	Gln	Met	Val
	65				70					75				80	
Val	Asp	Phe	Val	Ser	Glu	Lys	Lys	Val	Ile	Ser	Phe	Ile	Gly	Cys	Ala
			85						90					95	
Thr	Gln	Met	Phe	Leu	Ala	Val	Thr	Phe	Gly	Thr	Thr	Glu	Cys	Phe	Leu
		100						105					110		
Leu	Ala	Ala	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	His	Asn	Pro	Leu
		115					120					125			
Met	Tyr	Val	Val	Ser	Met	Ser	Pro	Arg	Val	Tyr	Val	Pro	Leu	Ile	Ile
	130					135					140				
Ala	Ser	Tyr	Ala	Gly	Gly	Ile	Leu	His	Ala	Val	Ile	His	Thr	Val	Ala
	145				150					155					160
Thr	Phe	Arg	Leu	Ser	Phe	Cys	Gly	Ser	Asn	Lys	Ile	Ser	His	Ile	Phe
			165						170					175	
Cys	Asp	Ile	Pro	Pro	Leu	Leu	Ala	Ile	Ser	Cys	Ser	Asp	Thr	His	Phe
		180						185					190		
Asn	Gln	Leu	Leu	Leu	Phe	Tyr	Cys	Ala	Gly	Phe	Ile	Glu	Val	Val	Thr

Ile	Leu	Ile	Val	Leu	Leu	Ser	Tyr	Gly	Phe	Ile	Leu	Ser	Val	Ile	Leu
210						215					220				
Lys	Thr	Arg	Ser	Thr	Glu	Gly	Lys	Arg	Lys	Val	Phe	Ser	Thr	Cys	Gly
225					230					235					240
Ser	His	Leu	Met	Ala	Val	Ser	Thr	Phe	His	Gly	Thr	Val	Leu	Phe	Met
				245					250					255	
Tyr	Val	Arg	Pro	Ser	Asp	Ser	Tyr	Ala	Leu	Glu	His	Asp	Met	Met	Val
			260					265					270		
Ser	Ile	Phe	Tyr	Ser	Ile	Val	Ile	Pro	Met	Leu	Asn	Pro	Leu	Ile	Tyr
		275					280					285			
Ser	Leu	Arg	Asn	Lys	Asp	Val	Lys	Glu	Ala	Ile	Lys	Lys	Val	Phe	Gly
	290					295					300				
Lys	Arg	Ile	Leu	Cys	Gly										
305					310										

<210> 1845
 <211> 310
 <212> PRT
 <213> Mus musculus

<400> 1845

Met	Glu	Asn	Val	Thr	Val	Ser	Leu	Phe	Ile	Leu	Arg	Gly	Leu	Thr	Asp
1				5					10					15	
Asn	Ala	Glu	Leu	Gln	Ile	Ser	Leu	Phe	Phe	Leu	Phe	Leu	Met	Ile	Tyr
			20					25					30		
Leu	Phe	Thr	Leu	Met	Gly	Asn	Ile	Gly	Leu	Ile	Ser	Val	Val	Ile	Gly
		35				40						45			
Asp	Ser	Gln	Leu	His	Asn	Pro	Met	Tyr	Tyr	Phe	Leu	Gly	Val	Leu	Ser
	50				55					60					
Phe	Ile	Asp	Thr	Cys	Phe	Ser	Thr	Ile	Ile	Thr	Pro	Lys	Met	Leu	Ile
65					70					75					80
Asp	Phe	Met	Ser	Lys	Arg	Lys	Val	Ile	Ser	Phe	Leu	Gly	Cys	Val	Ala
				85					90					95	
Gln	Met	Phe	Leu	Ala	Val	Ser	Cys	Gly	Thr	Thr	Glu	Cys	Phe	Leu	Leu
			100					105					110		
Ala	Ala	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Tyr	Asn	Pro	Leu	Leu
		115					120					125			
Tyr	Ala	Val	Asn	Met	Ser	Pro	Arg	Val	Tyr	Met	Ser	Leu	Ile	Ile	Ala
	130					135					140				
Ser	Asn	Val	Gly	Gly	Ile	Leu	His	Ala	Ser	Ile	His	Thr	Ala	Ala	Thr
145					150					155					160
Ala	Ser	Leu	Ser	Phe	Cys	Asp	Ser	Asn	Glu	Ile	Lys	His	Phe	Phe	Cys
				165					170					175	
Asp	Ile	Pro	Pro	Leu	Leu	Ala	Ile	Ser	Cys	Ser	Asp	Thr	Lys	Met	Asn
			180					185					190		
Glu	Leu	Leu	Leu	Phe	Ile	Phe	Val	Ser	Ser	Ile	Glu	Val	Val	Thr	Ile
		195					200					205			
Leu	Ile	Ile	Ile	Val	Ser	Tyr	Ser	Phe	Ile	Leu	Phe	Ala	Ile	Leu	Lys
	210					215					220				
Met	His	Ser	Ala	Glu	Gly	Arg	Pro	Lys	Val	Phe	Ser	Thr	Cys	Gly	Ser
225					230					235					240
His	Leu	Thr	Gly	Val	Ser	Ile	Tyr	Tyr	Gly	Thr	Ile	Phe	Phe	Met	Tyr
				245					250					255	
Met	Arg	Pro	Ser	Ser	Ser	Tyr	Thr	Leu	Glu	His	Asp	Met	Ile	Val	Ser
			260					265					270		
Thr	Phe	Tyr	Ala	Val	Val	Ile	Pro	Met	Leu	Asn	Pro	Ile	Ile	Tyr	Ser
		275					280					285			

Leu Arg Asn Lys Asp Val Lys Lys Ala Met Lys Arg Leu Leu Ala Lys
 290 295 300
 Val Phe Met Ser Ile Arg
 305 310

<210> 1846
 <211> 313
 <212> PRT
 <213> Mus musculus

<400> 1846
 Met Glu Lys Gln Asn Leu Thr Val Leu Ser Glu Phe Ile Leu Lys Gly
 1 5 10 15
 Ile Thr Asp Arg Pro Glu Leu Gln Ala Pro Leu Phe Gly Leu Leu Phe
 20 25 30
 Ile Ile Tyr Leu Ile Ser Ala Val Gly Asn Leu Gly Ile Ile Ile Ile
 35 40 45
 Thr Asn Val Asp Ser Arg Leu His Thr Pro Met Tyr Phe Phe Leu Lys
 50 55 60
 His Leu Ala Phe Thr Asp Leu Gly Tyr Ser Thr Ala Ile Gly Pro Lys
 65 70 75 80
 Met Leu Val Asn Phe Val Ala Glu His Asn Ser Val Ser Tyr Tyr Leu
 85 90 95
 Cys Ala Thr Gln Leu Ala Cys Phe Leu Leu Phe Ile Thr Cys Glu Leu
 100 105 110
 Phe Ile Leu Ser Ser Met Ser Tyr Asp Arg Tyr Val Ala Ile Cys Asn
 115 120 125
 Pro Leu Leu Tyr Thr Val Ile Met Ser Gln Arg Ile Cys Trp Val Leu
 130 135 140
 Val Ala Val Pro Tyr Ile Tyr Ser Val Phe Val Ser Leu Ile Val Thr
 145 150 155 160
 Ile Arg Leu Phe Thr Leu Ser Phe Cys Gly Tyr Asn Ile Ile Asn His
 165 170 175
 Phe Phe Cys Asp Cys Ile Pro Leu Ile Ser Leu Leu Cys Ser Asn Thr
 180 185 190
 His Glu Val Glu Val Ile Ile Arg Phe Phe Ala Thr Phe Asp Leu Ile
 195 200 205
 Ser Ser Leu Leu Val Val Leu Val Ser Tyr Leu Phe Ile Leu Ile Thr
 210 215 220
 Ile Leu Arg Met Lys Ser Ala Ala Gly Arg Arg Lys Ala Phe Ser Thr
 225 230 235 240
 Cys Gly Ser His Leu Thr Val Val Ile Val Phe Tyr Gly Thr Leu Ile
 245 250 255
 Phe Met Tyr Val Gln Pro Lys Ser Ser Gln Thr Phe Glu Thr Asp Lys
 260 265 270
 Val Ser Ser Ile Phe Tyr Thr Leu Val Ile Pro Met Leu Asn Pro Leu
 275 280 285
 Ile Tyr Thr Leu Arg Asn Lys Asp Val Lys Asp Ala Ile Glu Arg Thr
 290 295 300
 Trp Glu Lys Ile Val Thr Ser Phe Ser
 305 310

<210> 1847
 <211> 315
 <212> PRT
 <213> Mus musculus

<400> 1847

Met	Pro	Ser	Leu	Asn	Asn	Thr	Ala	Val	Met	Asp	Phe	Ile	Leu	Val	Gly
1				5					10					15	
Leu	Thr	Asp	Ser	Pro	Val	Leu	Gly	Arg	Ile	Leu	Phe	Val	Val	Phe	Leu
			20					25					30		
Val	Ile	Tyr	Leu	Ile	Thr	Leu	Thr	Gly	Asn	Leu	Cys	Met	Ile	Val	Leu
		35					40					45			
Ile	Arg	Thr	Asn	Ser	His	Leu	Gln	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Gly
	50					55					60				
His	Leu	Ser	Phe	Val	Asp	Ile	Cys	Tyr	Ser	Ser	Asn	Val	Thr	Pro	Asn
65					70					75					80
Met	Leu	His	Gly	Phe	Ile	Ser	Asp	Gln	Lys	Ile	Ile	Ser	Tyr	Ala	Gly
			85						90					95	
Cys	Phe	Thr	Gln	Cys	Leu	Leu	Phe	Ile	Ala	Leu	Val	Ile	Thr	Glu	Phe
			100					105					110		
Tyr	Leu	Leu	Ala	Ser	Met	Ala	Leu	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Ser
		115				120						125			
Pro	Leu	His	Tyr	Ser	Thr	Arg	Met	Ser	Lys	Asn	Val	Cys	Phe	Ser	Leu
	130					135					140				
Val	Ser	Phe	Ser	Tyr	Val	Phe	Gly	Phe	Leu	Asn	Gly	Leu	Ser	Gln	Thr
145					150					155					160
Leu	Leu	Thr	Phe	His	Leu	Ser	Phe	Cys	Gly	Ser	His	Glu	Ile	Asn	His
			165						170					175	
Phe	Tyr	Cys	Ala	Asp	Pro	Pro	Leu	Ile	Met	Leu	Ala	Cys	Ser	Asp	Thr
			180					185					190		
His	Val	Lys	Lys	Met	Ala	Met	Phe	Val	Val	Ala	Gly	Phe	Thr	Leu	Ile
		195					200				205				
Ser	Ser	Leu	Ser	Ile	Ile	Leu	Phe	Ser	Tyr	Leu	Tyr	Ile	Phe	Ala	Ala
	210					215					220				
Ile	Met	Arg	Ile	Arg	Ser	Ala	Glu	Gly	Arg	Gln	Lys	Ala	Phe	Ser	Thr
225					230					235					240
Cys	Gly	Ser	His	Leu	Thr	Thr	Val	Thr	Ile	Phe	Tyr	Gly	Thr	Leu	Phe
			245						250					255	
Cys	Met	Tyr	Leu	Lys	Pro	Pro	Ser	Glu	Arg	Ser	Ile	Glu	Glu	Ser	Lys
			260					265					270		
Val	Ile	Ala	Val	Phe	Tyr	Thr	Phe	Leu	Ser	Pro	Phe	Leu	Asn	Pro	Leu
		275					280					285			
Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Val	Ile	Asn	Ala	Met	Lys	Gln	Val
	290				295						300				
Ile	Lys	Gly	Asn	Phe	Cys	Gln	Lys	Ile	Leu	Val					
305					310					315					

<210> 1848

<211> 318

<212> PRT

<213> Mus musculus

<400> 1848

Met	Leu	Ala	Pro	Lys	Lys	Met	Val	Arg	Gly	Asn	Tyr	Ser	Met	Val	Thr
1				5					10					15	
Glu	Phe	Ile	Leu	Leu	Gly	Leu	Thr	Asp	Arg	Pro	Glu	Leu	Gln	Pro	Leu
			20					25					30		
Leu	Phe	Val	Leu	Phe	Leu	Val	Ile	Tyr	Leu	Ile	Thr	Val	Gly	Gly	Asn
		35					40					45			
Leu	Gly	Met	Met	Val	Leu	Ile	Arg	Ile	Asp	Ser	Arg	Leu	His	Thr	Pro
	50					55				60					
Met	Tyr	Tyr	Phe	Leu	Ala	Ser	Leu	Ser	Cys	Leu	Asp	Leu	Cys	Tyr	Ser
65					70					75					80

Thr	Asn	Val	Thr	Pro	Lys	Met	Leu	Val	Asn	Phe	Leu	Ser	Glu	Lys	Lys	
				85					90					95		
Thr	Ile	Ser	Tyr	Ala	Ala	Cys	Leu	Val	Gln	Cys	Tyr	Phe	Phe	Ile	Ala	
			100					105					110			
Met	Val	Ile	Thr	Glu	Tyr	Tyr	Met	Leu	Ala	Val	Met	Ala	Tyr	Asp	Arg	
		115					120					125				
Tyr	Met	Ala	Ile	Cys	Asn	Pro	Leu	Leu	Tyr	Ser	Ser	Lys	Met	Ser	Lys	
	130					135					140					
Gly	Val	Cys	Val	Arg	Leu	Ile	Ala	Gly	Pro	Tyr	Ile	Tyr	Gly	Phe	Leu	
145					150					155					160	
Ser	Gly	Leu	Met	Glu	Thr	Met	Trp	Thr	Tyr	Arg	Leu	Thr	Phe	Cys	Gly	
				165					170					175		
Ser	Asn	Ile	Ile	Asn	His	Phe	Tyr	Cys	Ala	Asp	Pro	Pro	Leu	Ile	Arg	
		180						185					190			
Leu	Ser	Cys	Ser	Asp	Thr	Phe	Ile	Lys	Glu	Thr	Ser	Met	Phe	Val	Val	
		195					200					205				
Ala	Gly	Phe	Asn	Leu	Ser	Asn	Ser	Leu	Phe	Ile	Ile	Leu	Ile	Ser	Tyr	
	210					215					220					
Leu	Phe	Ile	Leu	Ile	Ala	Ile	Leu	Arg	Met	Arg	Ser	Ala	Glu	Gly	Arg	
225					230					235					240	
Arg	Lys	Ala	Phe	Ser	Thr	Cys	Gly	Ser	His	Leu	Val	Ala	Val	Thr	Val	
				245					250					255		
Phe	Tyr	Gly	Thr	Leu	Phe	Cys	Met	Tyr	Val	Arg	Pro	Pro	Thr	Asp	Lys	
		260					265						270			
Ser	Val	Glu	Gln	Ser	Lys	Ile	Ile	Ala	Val	Phe	Tyr	Thr	Phe	Val	Ser	
		275					280					285				
Pro	Met	Leu	Asn	Pro	Ile	Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Val	Lys	
	290					295					300					
His	Ala	Phe	Trp	Lys	Leu	Val	Arg	Arg	Asn	Val	Leu	Ser	Lys			
305					310					315						

<210> 1849
 <211> 311
 <212> PRT
 <213> Mus musculus

<400> 1849

Met	Thr	Phe	Leu	Asn	His	Thr	Ala	Met	Met	Asp	Phe	Ile	Leu	Met	Gly	
1				5					10					15		
Leu	Thr	Asp	Ser	Pro	Val	Leu	Gly	Arg	Ile	Leu	Phe	Val	Val	Phe	Leu	
			20					25					30			
Val	Ile	Phe	Val	Ile	Thr	Leu	Ala	Gly	Asn	Leu	Phe	Met	Ile	Val	Leu	
		35					40					45				
Ile	Arg	Thr	Asn	Ser	His	Leu	Gln	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Gly	
	50					55					60					
His	Leu	Ser	Phe	Val	Asp	Ile	Cys	Tyr	Ser	Ser	Asn	Val	Thr	Pro	Asn	
65					70					75					80	
Met	Leu	His	Gly	Phe	Ile	Ser	Asp	Gln	Lys	Thr	Ile	Ser	Tyr	Ala	Gly	
			85						90					95		
Cys	Phe	Thr	Gln	Cys	Leu	Leu	Phe	Ile	Ala	Leu	Val	Ile	Thr	Glu	Phe	
			100					105					110			
Tyr	Leu	Leu	Ala	Ser	Met	Ala	Leu	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Ser	
		115					120					125				
Pro	Leu	His	Tyr	Ser	Thr	Arg	Met	Ser	Lys	Asn	Val	Cys	Val	Ser	Leu	
	130					135					140					
Val	Ala	Phe	Pro	Tyr	Val	Phe	Gly	Phe	Leu	Asn	Gly	Leu	Ser	Gln	Thr	
145					150					155					160	
Leu	Leu	Thr	Phe	His	Leu	Ser	Phe	Cys	Gly	Ser	His	Glu	Ile	Asn	His	

Phe	Tyr	Cys	Ala	Asp	Pro	Pro	Leu	Ile	Met	Leu	Ala	Cys	Ser	Asp	Thr
			180					185					190		
His	Val	Lys	Lys	Met	Ala	Met	Phe	Val	Val	Ala	Gly	Phe	Thr	Leu	Ser
		195					200					205			
Ser	Ser	Leu	Ala	Ile	Ile	Leu	Leu	Ser	Tyr	Leu	Phe	Ile	Phe	Ile	Ala
		210					215				220				
Ile	Leu	Arg	Ile	Arg	Ser	Ala	Lys	Gly	Arg	Gln	Lys	Ala	Phe	Ser	Thr
225					230					235					240
Cys	Gly	Ser	His	Met	Thr	Thr	Val	Thr	Ile	Phe	Tyr	Gly	Thr	Leu	Phe
				245						250				255	
Cys	Met	Tyr	Leu	Arg	Pro	Pro	Ser	Glu	Lys	Ser	Val	Glu	Glu	Ser	Lys
			260					265					270		
Val	Ile	Ala	Val	Phe	Tyr	Thr	Phe	Leu	Ser	Pro	Met	Leu	Asn	Pro	Leu
		275					280					285			
Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Val	Ile	Asn	Ala	Met	Lys	Gln	Val
	290					295					300				
Val	Lys	Gly	Lys	Leu	Leu	His									
305					310										

<210> 1850

<211> 311

<212> PRT

<213> Mus musculus

<400> 1850

Met	Asp	His	Met	Lys	Ile	Asn	Phe	Thr	Val	Thr	Glu	Phe	Val	Phe	Leu
1				5					10					15	
Gly	Leu	Ser	Ser	Asp	Pro	Lys	Val	Gln	Leu	Val	Leu	Phe	Phe	Val	Phe
			20					25					30		
Leu	Phe	Phe	Tyr	Met	Leu	Ser	Val	Val	Gly	Asn	Ile	Ile	Ile	Ile	Thr
		35					40					45			
Ile	Ile	Gln	Ile	Glu	Pro	Arg	Leu	Lys	Thr	Pro	Met	Tyr	Phe	Phe	Leu
	50					55					60				
Ala	Asn	Leu	Ser	Phe	Leu	Asp	Ile	Cys	Tyr	Thr	Ser	Thr	Asn	Val	Pro
65					70				75						80
Gln	Met	Leu	Ser	Asn	Met	Val	Gly	Ser	Lys	Lys	Thr	Ile	Pro	Phe	Val
				85					90					95	
Ser	Cys	Ala	Thr	Gln	Met	Tyr	Phe	Ser	Leu	Ser	Phe	Gly	Met	Ile	Glu
			100					105					110		
Cys	Val	Leu	Leu	Gly	Val	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys
		115					120					125			
His	Pro	Leu	His	Tyr	Thr	Val	Ile	Met	Asp	Gln	Asn	Thr	Cys	Val	Gln
	130					135					140				
Leu	Ala	Ala	Ile	Ser	Trp	Ser	Ser	Ser	Phe	Leu	Ser	Ser	Met	Val	Ile
145					150				155						160
Asn	Val	Leu	Thr	Leu	Ser	Leu	Pro	Tyr	Cys	Gly	Pro	Asn	Val	Leu	Asn
				165					170					175	
His	Phe	Phe	Cys	Glu	Val	Pro	Ser	Val	Leu	Arg	Leu	Ala	Cys	Thr	Asp
			180					185					190		
Thr	Ser	Leu	Thr	Glu	Leu	Val	Val	Phe	Val	Phe	Ser	Ile	Ile	Ile	Val
		195					200					205			
Phe	Ile	Pro	Phe	Leu	Leu	Ile	Ile	Val	Ser	Tyr	Ala	Arg	Ile	Leu	Leu
	210					215					220				
Ser	Val	Leu	Arg	Met	Arg	Ser	Ala	Ser	Gly	Arg	His	Lys	Ala	Leu	Ser
225					230					235					240
Thr	Cys	Ala	Ser	His	Leu	Thr	Val	Val	Thr	Leu	Phe	Tyr	Gly	Thr	Ala
				245					250					255	

Ile	Phe	Met	Tyr	Met	Arg	Pro	Gln	Ser	Lys	Ser	Ser	Arg	Ala	Gly	Gly
		260						265					270		
Lys	Val	Ile	Ala	Val	Phe	Tyr	Thr	Val	Val	Thr	Pro	Met	Leu	Asn	Pro
		275					280					285			
Leu	Ile	Tyr	Ser	Leu	Arg	Asn	Gln	Asp	Val	Lys	Gly	Ser	Leu	Arg	Arg
	290					295					300				
Ala	Ile	Thr	Lys	Gln	Lys	Thr									
305					310										

<210> 1851

<211> 319

<212> PRT

<213> Mus musculus

<400> 1851

Met	Asp	Glu	Asp	Asn	Asn	Ser	Thr	Val	His	Gln	Phe	Ile	Leu	Val	Gly
1				5					10				15		
Leu	Thr	Asp	Asp	Pro	Glu	Leu	Glu	Val	Ile	Leu	Phe	Ala	Val	Phe	Leu
		20						25					30		
Val	Ile	Tyr	Leu	Thr	Thr	Val	Leu	Gly	Asn	Leu	Gly	Leu	Ile	Met	Leu
	35						40					45			
Ile	Gln	Val	Ser	Pro	Gln	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Cys
	50					55					60				
His	Leu	Ala	Phe	Val	Asp	Phe	Cys	Tyr	Thr	Ser	Ser	Val	Thr	Pro	Asn
65					70					75					80
Thr	Ile	Ile	Asn	Phe	Leu	Arg	Asp	Ile	Lys	Ser	Ile	Thr	Phe	Tyr	Ala
			85						90					95	
Cys	Ala	Thr	Gln	Val	Cys	Cys	Phe	Ile	Thr	Phe	Ala	Val	Cys	Glu	Met
			100						105				110		
Tyr	Leu	Leu	Ser	Val	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Trp	Asn
	115						120					125			
Pro	Leu	Leu	Tyr	Val	Val	Leu	Met	Pro	Lys	Lys	Leu	Cys	Leu	Arg	Val
	130					135						140			
Ile	Ala	Ser	Thr	Tyr	Ile	Tyr	Gly	Phe	Thr	Val	Gly	Leu	Ala	Gln	Ala
145					150					155					160
Val	Ala	Thr	Phe	Arg	Leu	Ser	Phe	Cys	Gly	Ser	Asn	Val	Ile	Asn	His
				165					170					175	
Phe	Tyr	Cys	Asp	Val	Pro	Leu	Val	Ala	Leu	Ala	Cys	Ser	Asp	Thr	
			180				185						190		
His	Val	Lys	Glu	Leu	Met	Leu	Leu	Ile	Ile	Ala	Gly	Phe	Asn	Thr	Leu
	195						200					205			
Cys	Ser	Leu	Val	Ile	Val	Val	Ile	Ser	Tyr	Ile	Cys	Ile	Leu	Phe	Ala
	210					215					220				
Ile	Leu	Arg	Ile	His	Ser	Ala	Glu	Gly	Arg	Arg	Lys	Ala	Phe	Ser	Thr
225					230					235					240
Cys	Ala	Ser	His	Leu	Thr	Ser	Ile	Thr	Ile	Phe	Tyr	Gly	Thr	Ile	Ile
				245					250					255	
Phe	Met	Tyr	Leu	Gln	Pro	Lys	Ser	Ser	His	Ser	Leu	Asn	Thr	Asp	Lys
			260					265					270		
Phe	Val	Ser	Val	Phe	Tyr	Val	Val	Val	Ile	Pro	Met	Leu	Asn	Pro	Leu
	275						280					285			
Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Glu	Val	Lys	Asn	Ala	Leu	Lys	Arg	Phe
	290					295					300				
Thr	Glu	Lys	Leu	Ser	Leu	Thr	Ile	His	Asp	Ser	Arg	Lys	Ser	Glu	
305					310					315					

<210> 1852

<211> 307
 <212> PRT
 <213> Mus musculus

<400> 1852

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Met Leu Lys Lys Asn Phe Thr Thr Val Thr Glu Phe Ile Phe Leu Gly
 1          5          10          15
Leu Thr Asp Arg Ala Glu Leu Gln Pro Val Leu Phe Val Val Phe Leu
 20          25          30
Leu Ile Tyr Leu Ile Thr Val Thr Gly Asn Val Ser Met Ile Phe Leu
 35          40          45
Ile Arg Ser Asp Ser Lys Leu His Thr Pro Met Tyr Phe Phe Leu Ser
 50          55          60
His Leu Ser Phe Val Asp Leu Cys Tyr Ala Thr Thr Val Ala Pro Gln
 65          70          75          80
Met Leu Val Asn Phe Leu Ser Lys Arg Lys Asn Ile Ser Phe Ile Gly
 85          90          95
Cys Ile Ile Gln Phe His Phe Phe Ile Ala Leu Val Ile Thr Asp Tyr
 100         105         110
Tyr Met Leu Ala Val Met Ala Tyr Asp Cys Tyr Val Ala Ile Cys Lys
 115         120         125
Pro Leu Leu Tyr Thr Ser Lys Met Ser Arg Arg Val Cys Leu Ser Leu
 130         135         140
Val Ala Thr Gln Tyr Ile Tyr Gly Phe Val Asn Gly Leu Ile Gln Thr
 145         150         155         160
Ile Leu Met Leu Arg Leu Thr Phe Cys Gly Pro Asn Glu Ile Asn His
 165         170         175
Phe Tyr Cys Ala Asp Pro Pro Leu Met Val Leu Ala Cys Ser Asp Thr
 180         185         190
Tyr Val Lys Lys Thr Ala Met Phe Val Val Ala Gly Ser Asn Leu Thr
 195         200         205
Cys Ser Leu Thr Ile Ile Leu Ile Ser Tyr Ile Phe Ile Phe Thr Ala
 210         215         220
Ile Leu Arg Ile Arg Ser Ala Glu Gly Arg Gln Lys Ala Phe Ser Thr
 225         230         235         240
Cys Gly Ser His Leu Thr Ala Val Thr Ile Phe Tyr Gly Thr Leu Phe
 245         250         255
Cys Met His Leu Arg Pro Pro Ser Glu Thr Ser Val Glu Gln Gly Lys
 260         265         270
Ile Val Ala Val Phe Tyr Ile Phe Val Ser Pro Met Leu Asn Pro Phe
 275         280         285
Ile Tyr Ser Leu Arg Asn Lys Asp Val Lys Asn Ala Ile Arg Lys Val
 290         295         300
Ile Gln Lys
305

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<210> 1853
 <211> 319
 <212> PRT
 <213> Mus musculus

<400> 1853

```

Met Ala Gln Ile Asn Cys Thr Gln Val Thr Glu Phe Ile Leu Val Gly
 1          5          10          15
Leu Thr Asp Arg Lys Glu Leu Lys Met Pro Leu Phe Val Val Phe Leu
 20          25          30
Phe Ile Tyr Leu Phe Thr Ala Ile Gly Asn Leu Gly Leu Ile Leu Val
 35          40          45

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Ile	Arg	Thr	Asp	Ala	Arg	Leu	Asn	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Ser
50						55					60				
Asn	Leu	Ala	Phe	Val	Asp	Phe	Cys	Tyr	Ser	Ser	Val	Ile	Thr	Pro	Lys
65					70					75					80
Met	Leu	Gly	Asn	Phe	Leu	Tyr	Ser	Lys	Asn	Ala	Ile	Ser	Phe	Asn	Ala
			85						90					95	
Cys	Ala	Ala	Gln	Leu	Gly	Cys	Phe	Leu	Thr	Phe	Met	Val	Ser	Glu	Cys
			100					105					110		
Leu	Leu	Leu	Ala	Ser	Met	Ala	Tyr	Asp	Arg	Tyr	Ala	Ala	Ile	Cys	Asn
		115					120					125			
Pro	Leu	Leu	Tyr	Met	Val	Thr	Met	Ser	Pro	Gly	Ile	Cys	Ile	Gln	Leu
130						135					140				
Val	Val	Val	Pro	Tyr	Ser	Tyr	Ser	Phe	Leu	Met	Ala	Leu	Ile	His	Thr
145					150					155					160
Leu	Leu	Thr	Phe	Arg	Leu	Ser	Tyr	Cys	His	Ser	Asn	Ile	Ile	Asn	His
			165						170					175	
Phe	Tyr	Cys	Asp	Asp	Met	Pro	Leu	Leu	Arg	Leu	Thr	Cys	Ser	Asp	Thr
			180					185					190		
His	Tyr	Lys	Gln	Leu	Ser	Ile	Leu	Ala	Cys	Ala	Gly	Ile	Thr	Phe	Ile
		195					200					205			
Ser	Ser	Val	Leu	Ile	Val	Ser	Val	Ser	Tyr	Met	Phe	Ile	Ile	Ser	Ala
	210					215					220				
Ile	Leu	Arg	Met	Arg	Ser	Ala	Glu	Gly	Arg	Arg	Lys	Ala	Phe	Ser	Thr
225					230					235					240
Cys	Ser	Ser	His	Met	Met	Ala	Val	Ser	Ile	Phe	Tyr	Gly	Thr	Leu	Ile
			245						250					255	
Phe	Met	Tyr	Leu	Gln	Pro	Ser	Ser	Asp	His	Ser	Leu	Asp	Thr	Asp	Lys
			260					265					270		
Met	Ala	Ser	Val	Phe	Tyr	Thr	Val	Ile	Ile	Pro	Met	Leu	Asn	Pro	Leu
		275					280					285			
Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Val	Lys	Asp	Ala	Leu	Lys	Arg	Val
	290					295					300				
Met	Asp	Asn	Arg	Asn	Gln	Thr	Ser	Ile	Phe	Arg	Glu	Leu	Arg	Lys	
305					310					315					

<210> 1854

<211> 316

<212> PRT

<213> Mus musculus

<400> 1854

Met	Glu	Lys	Ser	Asn	His	Ser	Ala	Arg	Ile	Gln	Val	Thr	Glu	Phe	Ile
1				5					10					15	
Leu	Leu	Gly	Leu	Thr	Asn	Asn	Pro	Gly	Leu	Lys	Ala	Pro	Leu	Phe	Val
		20						25					30		
Ile	Phe	Leu	Ile	Ile	Tyr	Leu	Val	Thr	Leu	Met	Gly	Asn	Leu	Gly	Met
		35					40					45			
Val	Ile	Leu	Thr	His	Val	Asp	Ser	Lys	Leu	His	Thr	Pro	Met	Tyr	Phe
	50					55					60				
Phe	Leu	Arg	His	Leu	Ser	Ile	Thr	Asp	Leu	Gly	Tyr	Ser	Thr	Val	Ile
65					70					75					80
Gly	Pro	Lys	Met	Met	Val	Asn	Phe	Val	Met	Gln	Gln	Asn	Ile	Ile	Ser
			85						90				95		
Tyr	Thr	Gly	Cys	Ala	Val	Gln	Leu	Thr	Phe	Phe	Glu	Ile	Phe	Ile	Ile
			100					105					110		
Thr	Glu	Leu	Phe	Ile	Leu	Ser	Ala	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala
		115					120					125			
Ile	Cys	Lys	Pro	Leu	Leu	Tyr	Val	Ile	Ile	Met	Ala	Gly	Lys	Val	Arg

130		135		140
Trp Gly Leu Val Leu Val	Pro Tyr Leu Tyr Ser	Leu Phe Val Ser Leu		
145		150		155
Leu Leu Thr Val Lys Leu	Phe Thr Leu Ser Phe	Cys Gly Ser Asn Thr		160
		165		170
Ile Ser Tyr Phe Tyr Cys	Asp Cys Val Pro Leu	Ile Ser Leu Leu Cys		175
		180		185
Ser Asp Thr His Glu Leu	Glu Leu Ile Ile Leu	Ile Phe Ser Gly Cys		190
		195		200
Asn Leu Leu Ser Ser Leu	Leu Ile Val Leu Val	Ser Tyr Met Phe Ile		205
		210		215
Phe Val Ala Ile Leu Arg	Met Asn Ser Lys Glu	Gly Arg Ser Lys Ala		220
225		230		235
Phe Ser Thr Cys Ser Ser	His Leu Thr Val Val	Val Val Phe Tyr Gly		240
		245		250
Thr Leu Leu Phe Ile Tyr	Leu Gln Pro Lys Ser	Ser His Thr Phe Glu		255
		260		265
Ile Asp Lys Met Ala Ser	Val Phe Tyr Thr Leu	Val Ile Pro Met Leu		270
		275		280
Asn Pro Leu Ile Tyr Ser	Leu Arg Asn Lys Glu	Val Lys Glu Ala Leu		285
		290		295
Lys Arg Thr Leu Thr Gln	Gly Leu Arg Ile His	Thr		300
305		310		315

<210> 1855

<211> 317

<212> PRT

<213> Mus musculus

<400> 1855

Met Val Arg Thr Met Lys Gly Ile Gln Asp Lys Asn Ala Thr Glu Val		
1	5	10
Thr Glu Phe Ile Leu Leu Gly Leu Ser Glu Asn Pro Asp Leu Gln Gly		15
	20	25
Val Leu Phe Ala Leu Phe Leu Ile Ile Tyr Thr Met Thr Leu Val Gly		30
	35	40
Asn Leu Gly Met Met Ala Leu Ile Lys Ile Asp Arg Ser Leu His Thr		45
	50	55
Pro Met Tyr Phe Phe Leu Ser Ser Leu Ser Phe Val Asp Ala Ser Ser		60
65	70	75
Ser Ser Thr Val Thr Pro Lys Met Leu Leu Asn Leu Val Ala Glu Asp		80
	85	90
Lys Ser Ile Ser Phe Asn Gly Cys Ala Thr Gln Phe Phe Phe Phe Gly		95
	100	105
Ser Phe Leu Gly Thr Glu Cys Phe Leu Leu Ala Met Met Ala Tyr Asp		110
	115	120
Arg Tyr Ala Ala Ile Trp Asn Pro Leu Leu Tyr Pro Val Leu Met Ser		125
	130	135
Gly Ser Ile Cys Phe Met Leu Val Ser Thr Ser Phe Leu Ala Gly Phe		140
145	150	155
Gly Asn Ala Ala Ile His Thr Gly Met Thr Phe Arg Leu Ser Phe Cys		160
	165	170
Gly Ser Asn Lys Ile Asn His Phe Tyr Cys Asp Thr Pro Pro Leu Leu		175
	180	185
Lys Leu Ser Cys Ser Asp Ile His Ile Asn Gly Ile Val Ile Met Ala		190
	195	200
Phe Ser Ser Phe Thr Val Leu Ile Cys Val Leu Ile Val Leu Ile Ser		205
	210	215
		220

Tyr	Leu	Cys	Ile	Leu	Ile	Ala	Ile	Leu	Lys	Met	Pro	Ser	Ala	Glu	Gly
225					230					235					240
Arg	His	Lys	Ala	Phe	Ser	Thr	Cys	Ala	Ser	His	Leu	Met	Ala	Val	Thr
				245						250					255
Ile	Phe	Phe	Gly	Ser	Ile	Leu	Phe	Met	Tyr	Leu	Arg	Pro	Thr	Thr	Ser
			260					265						270	
Tyr	Ser	Met	Glu	Gln	Asp	Lys	Ile	Val	Ser	Val	Phe	Tyr	Thr	Val	Val
		275					280					285			
Ile	Pro	Met	Leu	Asn	Pro	Leu	Ile	Tyr	Ser	Leu	Lys	Asn	Arg	Asp	Val
	290					295					300				
Lys	Glu	Ala	Val	Lys	Lys	Ile	Leu	Gln	Lys	His	Ile	Leu			
305					310					315					

<210> 1856

<211> 317

<212> PRT

<213> Mus musculus

<400> 1856

Met	Val	Arg	Ser	Gly	Lys	Gly	Ile	Gln	Asn	Lys	Asn	Ala	Thr	Glu	Val
1				5					10					15	
Thr	Glu	Phe	Ile	Leu	Leu	Gly	Leu	Ser	Asp	Asn	Pro	Asp	Leu	Gln	Gly
			20					25					30		
Val	Leu	Phe	Ala	Leu	Phe	Leu	Ile	Ile	Tyr	Thr	Met	Thr	Leu	Val	Gly
		35				40					45				
Asn	Leu	Gly	Met	Met	Ala	Leu	Ile	Lys	Ile	Asp	Arg	Ser	Leu	His	Thr
	50				55					60					
Pro	Met	Tyr	Phe	Phe	Leu	Ser	Ser	Leu	Ser	Phe	Val	Asp	Ala	Ser	Tyr
65					70					75				80	
Ser	Ser	Ser	Val	Thr	Pro	Lys	Met	Leu	Val	Asn	Leu	Met	Ala	Glu	Asp
			85						90					95	
Lys	Ser	Ile	Ser	Phe	Asn	Gly	Cys	Ala	Thr	Gln	Phe	Phe	Phe	Phe	Gly
			100					105					110		
Ser	Phe	Leu	Gly	Thr	Glu	Cys	Phe	Leu	Leu	Ala	Met	Met	Ala	Tyr	Asp
	115					120					125				
Arg	Tyr	Ala	Ala	Ile	Trp	Asn	Pro	Leu	Leu	Tyr	Pro	Val	Leu	Met	Ser
	130					135					140				
Gly	Arg	Ile	Cys	Phe	Met	Leu	Val	Ser	Thr	Ser	Phe	Leu	Ala	Gly	Phe
145					150					155				160	
Gly	Asn	Ala	Ala	Ile	His	Thr	Gly	Met	Thr	Phe	Arg	Leu	Ser	Phe	Cys
			165						170					175	
Gly	Ser	Asn	Lys	Ile	Asn	His	Phe	Tyr	Cys	Asp	Thr	Pro	Pro	Leu	Leu
		180						185				190			
Lys	Leu	Ser	Cys	Ser	Asp	Thr	His	Ile	Asn	Gly	Ile	Val	Ile	Met	Ala
		195				200						205			
Phe	Ser	Ser	Phe	Asn	Val	Ile	Ser	Cys	Val	Leu	Ile	Val	Leu	Ile	Ser
	210					215					220				
Tyr	Leu	Cys	Ile	Leu	Ile	Ala	Ile	Leu	Lys	Met	Pro	Ser	Ala	Glu	Gly
225					230					235					240
Arg	His	Lys	Ala	Phe	Ser	Thr	Cys	Ala	Ser	His	Leu	Met	Ala	Val	Thr
			245						250					255	
Ile	Phe	Phe	Gly	Thr	Ile	Leu	Phe	Met	Tyr	Leu	Arg	Pro	Thr	Ser	Ser
			260					265					270		
Tyr	Ser	Met	Glu	Gln	Asp	Lys	Val	Val	Ser	Val	Phe	Tyr	Thr	Val	Val
		275					280					285			
Ile	Pro	Met	Leu	Asn	Pro	Leu	Ile	Tyr	Ser	Leu	Lys	Asn	Lys	Asp	Val
	290					295					300				
Lys	Lys	Ala	Val	Lys	Lys	Ile	Leu	His	Asn	Tyr	Val	Val			

305

310

315

<210> 1857

<211> 310

<212> PRT

<213> Mus musculus

<400> 1857

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Met Leu Asn Phe Thr Asp Val Thr Glu Phe Ile Leu Leu Gly Leu Thr
 1          5          10          15
Ser Arg Lys Glu Leu Gln Val Leu Phe Phe Val Ile Phe Leu Met Val
          20          25          30
Tyr Ile Val Thr Met Val Gly Asn Ile Gly Met Met Ile Leu Ile Lys
          35          40          45
Ile Ser Pro Gln Leu Ser Ser Pro Met Tyr Phe Phe Leu Ser His Leu
          50          55          60
Ser Phe Val Asp Val Trp Phe Ser Ser Asn Val Thr Pro Lys Met Leu
65          70          75          80
Glu Asn Leu Leu Ser Lys Thr Lys Thr Ile Ser Tyr Ala Gly Cys Leu
          85          90          95
Val Gln Cys Phe Phe Phe Ile Ala Leu Val His Val Glu Ile Phe Ile
          100          105          110
Leu Ala Val Met Ala Phe Asp Arg Tyr Met Ala Ile Gly Lys Pro Leu
          115          120          125
Leu Tyr Gly Ser Lys Met Ser Arg Val Val Cys Ile Arg Leu Ile Ser
          130          135          140
Phe Pro Tyr Ile Tyr Gly Phe Leu Thr Ser Leu Ala Ala Thr Leu Trp
145          150          155          160
Thr Tyr Gly Leu Tyr Phe Cys Gly Lys Thr Glu Ile Asn His Phe Tyr
          165          170          175
Cys Ala Asp Pro Pro Leu Ile Lys Met Ala Cys Ala Gly Thr Phe Val
          180          185          190
Lys Glu Tyr Thr Met Ile Ile Leu Ala Gly Ile Asn Phe Thr Tyr Ser
          195          200          205
Leu Ser Val Val Ile Ile Ser Tyr Leu Phe Ile Leu Ile Ala Ile Leu
          210          215          220
Arg Met Arg Ser Ala Glu Gly Arg Arg Lys Ala Phe Ser Thr Cys Gly
225          230          235          240
Ser His Leu Thr Ala Val Val Ile Phe Tyr Gly Thr Leu Ile Phe Met
          245          250          255
Tyr Leu Arg Arg Pro Thr Glu Glu Ser Val Glu Lys Gly Lys Met Val
          260          265          270
Ala Val Phe Tyr Thr Thr Val Ile Pro Met Leu Asn Pro Met Ile Tyr
          275          280          285
Ser Leu Arg Asn Lys Asp Val Lys Glu Ala Met Asp Lys Val Ile Ser
          290          295          300
Arg Lys Gly Leu Thr Lys
305          310

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<210> 1858

<211> 310

<212> PRT

<213> Mus musculus

<400> 1858

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Met Leu Asn Phe Thr Asp Val Thr Glu Phe Val Leu Leu Gly Leu Thr
 1          5          10          15

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Arg	Arg	Lys	Glu	Leu	Gln	Val	Leu	Phe	Phe	Val	Ile	Phe	Leu	Met	Val
		20						25				30			
Tyr	Ile	Val	Thr	Met	Val	Gly	Asn	Ile	Gly	Met	Met	Ile	Leu	Ile	Lys
		35				40						45			
Ile	Ser	Pro	Gln	Leu	Ser	Ser	Pro	Met	Tyr	Phe	Phe	Leu	Ser	His	Leu
	50					55					60				
Ser	Phe	Ile	Asp	Val	Trp	Phe	Ser	Ser	Asn	Val	Thr	Pro	Lys	Met	Leu
65					70					75					80
Glu	Asn	Leu	Leu	Ser	Lys	Thr	Lys	Thr	Ile	Ser	Tyr	Ala	Gly	Cys	Leu
				85					90					95	
Val	Gln	Cys	Phe	Phe	Phe	Ile	Ala	Leu	Val	His	Val	Glu	Ile	Phe	Ile
			100					105					110		
Leu	Ser	Val	Met	Ala	Phe	Asp	Arg	Tyr	Met	Ala	Ile	Gly	Lys	Pro	Leu
		115					120					125			
Leu	Tyr	Gly	Ser	Lys	Met	Ser	Arg	Val	Val	Cys	Ile	Arg	Leu	Ile	Ser
	130					135					140				
Phe	Pro	Tyr	Ile	Tyr	Gly	Phe	Leu	Thr	Ser	Leu	Ala	Ala	Thr	Leu	Trp
145					150					155					160
Thr	Tyr	Gly	Leu	Tyr	Phe	Cys	Gly	Lys	Thr	Glu	Ile	Asn	His	Phe	Tyr
			165						170					175	
Cys	Ala	Asp	Pro	Pro	Leu	Ile	Lys	Met	Ala	Cys	Ala	Gly	Thr	Phe	Val
		180						185					190		
Lys	Glu	Tyr	Thr	Met	Leu	Phe	Leu	Ala	Gly	Ile	Asn	Phe	Thr	Tyr	Ser
		195					200					205			
Leu	Ile	Val	Val	Ile	Ile	Ser	Tyr	Leu	Phe	Ile	Leu	Ile	Ala	Ile	Leu
	210					215					220				
Arg	Met	Arg	Ser	Ala	Glu	Gly	Arg	Arg	Lys	Ala	Phe	Ser	Thr	Cys	Gly
225					230					235					240
Ser	His	Leu	Thr	Ala	Val	Gly	Ile	Phe	Tyr	Gly	Thr	Leu	Ile	Phe	Met
			245						250					255	
Tyr	Leu	Arg	Arg	Pro	Thr	Glu	Glu	Ser	Val	Glu	Gln	Gly	Lys	Met	Val
			260					265					270		
Ala	Val	Phe	Tyr	Thr	Thr	Val	Ile	Pro	Met	Leu	Asn	Pro	Met	Ile	Tyr
		275					280					285			
Ser	Leu	Arg	Asn	Lys	Asp	Val	Lys	Glu	Ala	Met	Asp	Lys	Val	Ile	Ala
	290					295					300				
Lys	Lys	Phe	Leu	Thr	Lys										
305					310										

<210> 1859

<211> 314

<212> PRT

<213> Mus musculus

<400> 1859

Met	Ala	Lys	Ser	Asn	His	Ser	Val	Val	Thr	Glu	Phe	Ile	Leu	Leu	Gly
1				5					10					15	
Leu	Thr	Glu	Asp	Pro	Glu	Leu	Gln	Ile	Ile	Leu	Phe	Val	Ile	Leu	Leu
		20						25					30		
Ile	Ile	Tyr	Leu	Phe	Ser	Val	Met	Ser	Asn	Leu	Gly	Leu	Val	Val	Leu
		35					40					45			
Ile	Gln	Ile	Ser	Pro	Gln	Leu	Gln	Ser	Pro	Met	Tyr	Phe	Phe	Leu	Ser
	50					55					60				
His	Leu	Ala	Phe	Val	Asp	Phe	Cys	Tyr	Thr	Ser	Cys	Val	Thr	Pro	Asn
65					70					75					80
Ala	Leu	Val	Asn	Phe	Leu	Arg	Glu	Ile	Lys	Ser	Ile	Ser	Phe	Tyr	Gly
			85						90					95	
Cys	Ala	Ala	Gln	Val	Cys	Phe	Phe	Thr	Thr	Phe	Ser	Val	Cys	Glu	Val

			100					105					110				
Phe	Leu	Leu	Ser	Val	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Asn		
		115						120				125					
Pro	Leu	Leu	Tyr	Val	Ile	Leu	Met	Pro	Arg	Arg	Leu	Cys	Ile	Gln	Ile		
	130					135					140						
Ala	Ile	Thr	Thr	Tyr	Ile	Tyr	Ala	Phe	Val	Thr	Ala	Leu	Ile	Gln	Thr		
145					150					155					160		
Val	Thr	Thr	Phe	Ile	Leu	Ser	Phe	Cys	Asp	Ser	Asn	Leu	Val	Asn	His		
			165						170					175			
Phe	Phe	Cys	Glu	Asp	Ile	Pro	Leu	Met	Ala	Leu	Ala	Cys	Ser	Asn	Thr		
		180						185				190					
Gln	Val	Lys	Glu	Leu	Leu	Leu	Leu	Ser	Met	Ala	Gly	Phe	Asn	Val	Cys		
	195					200					205						
Cys	Ser	Leu	Leu	Ile	Val	Leu	Ile	Ser	Tyr	Leu	Phe	Ile	Val	Ser	Ala		
	210					215				220							
Ile	Leu	Lys	Lys	His	Ser	Gly	Glu	Gly	Arg	Gln	Lys	Val	Phe	Ser	Thr		
225					230				235						240		
Cys	Ala	Ser	His	Leu	Ser	Ser	Ile	Ala	Ile	Tyr	Tyr	Gly	Thr	Ile	Ile		
			245					250						255			
Phe	Met	Tyr	Leu	Gln	Pro	Glu	Ser	Ser	His	Ser	Leu	Asn	Thr	Asp	Lys		
		260						265				270					
Phe	Ala	Ala	Val	Phe	Tyr	Val	Val	Val	Ile	Pro	Met	Leu	Asn	Pro	Leu		
	275					280					285						
Ile	Tyr	Ser	Leu	Arg	Asn	Thr	Glu	Val	Lys	Asn	Ala	Leu	Lys	Lys	Ser		
	290				295					300							
Ile	Asp	Asn	Ile	Pro	Ile	Asn	Ile	Ser	Lys								
305					310												

<210> 1860

<211> 314

<212> PRT

<213> Mus musculus

<400> 1860

Met	Met	Asp	Asn	Leu	Ser	Ser	Ala	Thr	Glu	Phe	Cys	Leu	Leu	Gly	Phe		
1				5					10					15			
Pro	Gly	Ser	Gln	Glu	Leu	His	Tyr	Ile	Leu	Phe	Ala	Ile	Phe	Phe	Phe		
		20						25					30				
Phe	Tyr	Ser	Val	Thr	Leu	Leu	Gly	Asn	Met	Val	Ile	Ile	Ile	Ile	Val		
	35						40					45					
Cys	Val	Asp	Lys	Arg	Leu	Gln	Ser	Pro	Met	Tyr	Phe	Phe	Leu	Gly	Asn		
	50					55					60						
Leu	Ser	Leu	Leu	Glu	Ile	Leu	Val	Thr	Thr	Thr	Ile	Val	Pro	Leu	Met		
65				70					75					80			
Leu	Trp	Gly	Leu	Leu	Leu	Pro	Gly	Lys	Gln	Thr	Ile	Ser	Leu	Asn	Gly		
			85					90						95			
Cys	Ile	Ala	Gln	Leu	Phe	Leu	Tyr	Leu	Ala	Leu	Gly	Thr	Thr	Glu	Phe		
		100						105					110				
Ala	Val	Leu	Gly	Ala	Met	Ala	Val	Asp	Arg	Tyr	Val	Ala	Val	Cys	Asn		
	115						120					125					
Pro	Leu	Arg	Tyr	Ser	Val	Ile	Met	Asn	Ser	Arg	Thr	Cys	Ile	Trp	Val		
	130					135					140						
Val	Met	Val	Ser	Trp	Met	Phe	Gly	Phe	Leu	Ser	Glu	Ile	Trp	Pro	Val		
145				150					155					160			
Tyr	Ala	Thr	Phe	Gln	Phe	Thr	Phe	Cys	Lys	Ser	Asn	Leu	Leu	Asp	His		
			165					170						175			
Phe	Tyr	Cys	Asp	Arg	Gly	Gln	Leu	Leu	Lys	Leu	Ser	Cys	Asn	Glu	Thr		
		180						185					190				

Phe	Leu	Thr	Glu	Phe	Ile	Leu	Phe	Ile	Met	Ala	Ile	Phe	Ile	Ile	Val
		195						200				205			
Gly	Ser	Leu	Ile	Pro	Thr	Ile	Val	Ser	Tyr	Thr	Tyr	Ile	Ile	Ser	Thr
	210					215					220				
Ile	Leu	Lys	Ile	Pro	Ser	Ala	Ser	Gly	Arg	Lys	Lys	Ala	Phe	Ser	Thr
225					230					235					240
Cys	Ala	Ser	His	Phe	Thr	Phe	Val	Val	Ile	Gly	Tyr	Gly	Thr	Cys	Leu
			245						250					255	
Phe	Leu	Tyr	Val	Lys	Pro	Lys	Gln	Thr	Gln	Ala	Ala	Glu	Tyr	Asn	Arg
			260					265					270		
Val	Ala	Ser	Leu	Leu	Val	Ser	Val	Val	Thr	Pro	Phe	Leu	Asn	Pro	Phe
		275					280					285			
Ile	Phe	Thr	Leu	Arg	Asn	Asp	Lys	Val	Lys	Glu	Ala	Leu	Arg	Asp	Gly
	290				295						300				
Val	Lys	Arg	Cys	Cys	Leu	Leu	Leu	Arg	Asp						
305					310										

<210> 1861

<211> 317

<212> PRT

<213> Mus musculus

<400> 1861

Met	Ser	Leu	Met	Glu	Asn	Asn	Thr	Lys	Val	Thr	Glu	Phe	Leu	Leu	Leu
1				5					10					15	
Gly	Leu	Thr	Asn	Asp	Pro	Glu	Leu	Gln	Leu	Pro	Leu	Phe	Leu	Ile	Phe
			20					25				30			
Leu	Leu	Ile	Tyr	Thr	Ile	Thr	Leu	Val	Gly	Asn	Leu	Gly	Leu	Ile	Leu
		35					40					45			
Leu	Ile	Val	Leu	Asp	Ser	Cys	Leu	His	Thr	Pro	Met	Tyr	Ile	Phe	Leu
		50				55					60				
Gly	Asn	Leu	Ser	Leu	Val	Asp	Phe	Cys	Tyr	Ser	Ser	Ala	Val	Thr	Pro
65				70					75					80	
Ser	Val	Met	Thr	Glu	Leu	Leu	Ile	Gly	Lys	Lys	Val	Ile	Ser	Tyr	Asn
				85					90					95	
Asp	Cys	Ala	Ala	Gln	Thr	Phe	Phe	Phe	Val	Ala	Phe	Cys	Thr	Val	Glu
		100					105					110			
Asn	Tyr	Leu	Ala	Ser	Met	Ala	Tyr	Asp	Arg	Tyr	Ala	Ala	Val	Cys	
		115				120					125				
Lys	Pro	Leu	His	Tyr	Ala	Ser	Thr	Met	Thr	Thr	Arg	Val	Cys	Ile	Tyr
		130				135					140				
Leu	Ser	Ile	Gly	Ser	Tyr	Val	Cys	Gly	Phe	Leu	Asn	Ala	Ser	Ile	Asn
145					150					155					160
Thr	Gly	Asn	Thr	Phe	Ser	Leu	Phe	Phe	Cys	Arg	Tyr	Asn	Met	Ile	His
				165					170					175	
His	Phe	Phe	Cys	Asp	Ile	Pro	Ala	Val	Met	Val	Leu	Ser	Cys	Ser	Asp
			180					185					190		
Arg	Tyr	Phe	Ser	Glu	Leu	Leu	Leu	Val	Tyr	Val	Val	Ser	Phe	Ser	Ile
		195					200					205			
Phe	Phe	Ala	Leu	Leu	Val	Ile	Cys	Ile	Ser	Tyr	Ile	Phe	Ile	Phe	Ile
	210					215					220				
Thr	Ile	Ala	Lys	Met	His	Ser	Ser	Ala	Gly	Tyr	Gly	Lys	Ala	Ala	Pro
225					230					235					240
Thr	Cys	Ala	Ser	His	Phe	Thr	Ala	Val	Ser	Ile	Phe	Tyr	Gly	Thr	Val
				245					250					255	
Ile	Phe	Met	Tyr	Leu	Leu	Pro	Ser	Ser	Ser	His	Ser	Met	Asp	Thr	Asp
			260				265					270			
Gln	Ile	Ala	Ser	Val	Phe	Tyr	Thr	Met	Ile	Ile	Pro	Met	Leu	Asn	Pro

		275					280					285							
Leu	Val	Tyr	Ser	Leu	Arg	Asn	Lys	Glu	Val	Lys	Ser	Ala	Phe	Thr	Lys				
	290					295					300								
Ile	Phe	Gln	Val	Ala	Lys	Gln	Ser	Val	Met	Leu	Tyr	Phe							
305					310					315									

<210> 1862
 <211> 318
 <212> PRT
 <213> Mus musculus

<400> 1862

Met	Met	His	Arg	Asn	Gln	Thr	Val	Val	Thr	Glu	Phe	Phe	Phe	Thr	Gly				
1				5					10					15					
Leu	Thr	Ser	Ser	Phe	His	Leu	Gln	Ile	Val	Leu	Phe	Leu	Thr	Phe	Leu				
			20					25					30						
Cys	Val	Tyr	Leu	Ala	Thr	Leu	Leu	Gly	Asn	Leu	Gly	Met	Ile	Ile	Leu				
		35					40					45							
Ile	His	Leu	Asp	Thr	Arg	Leu	His	Ile	Pro	Met	Tyr	Phe	Phe	Leu	Ser				
	50					55					60								
His	Leu	Ser	Phe	Val	Asp	Ala	Cys	Ser	Ser	Ser	Val	Ile	Ser	Pro	Lys				
65					70					75					80				
Met	Leu	Ser	Asp	Met	Phe	Val	Asp	Lys	Lys	Val	Ile	Ser	Phe	Leu	Gly				
				85					90					95					
Cys	Ala	Ile	Gln	Leu	Cys	Leu	Phe	Ser	Gln	Phe	Val	Val	Thr	Glu	Cys				
			100					105					110						
Phe	Leu	Leu	Ala	Ser	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Lys				
	115						120					125							
Pro	Leu	Leu	Tyr	Thr	Leu	Ile	Met	Ser	Gln	Arg	Val	Cys	Val	Gln	Leu				
	130					135					140								
Val	Ile	Gly	Pro	Tyr	Ser	Ile	Gly	Phe	Ile	Ser	Thr	Met	Val	His	Ile				
145					150					155					160				
Ile	Ser	Ala	Phe	Val	Leu	Pro	Tyr	Cys	Gly	Pro	Asn	Leu	Ile	Asn	His				
				165					170					175					
Phe	Phe	Cys	Asp	Leu	Leu	Pro	Val	Leu	Ser	Leu	Ala	Cys	Ala	Asn	Thr				
			180					185					190						
Gln	Met	Asn	Lys	Arg	Leu	Leu	Phe	Ile	Val	Ala	Gly	Ile	Leu	Gly	Val				
		195					200						205						
Phe	Ser	Gly	Ile	Ile	Ile	Leu	Val	Ser	Tyr	Val	Tyr	Ile	Ala	Ile	Thr				
	210					215					220								
Ile	Leu	Lys	Ile	Ser	Ser	Ala	Asp	Gly	Arg	Arg	Lys	Ala	Phe	Ser	Thr				
225					230					235					240				
Cys	Ser	Ser	His	Leu	Thr	Ala	Val	Ser	Ile	Leu	Tyr	Gly	Thr	Leu	Phe				
				245					250					255					
Phe	Ile	Tyr	Val	Arg	Pro	Ser	Ser	Ser	Phe	Ser	Leu	Asp	Ile	Asn	Lys				
			260					265					270						
Val	Val	Ser	Leu	Phe	Tyr	Thr	Thr	Val	Ile	Pro	Met	Leu	Asn	Pro	Phe				
		275					280					285							
Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Glu	Val	Lys	Asp	Ala	Leu	Ile	Arg	Thr				
	290				295						300								
Phe	Glu	Lys	Gln	Phe	Cys	Tyr	Ser	Leu	Gln	Asp	Lys	Ile	Leu						
305					310					315									

<210> 1863
 <211> 318
 <212> PRT
 <213> Mus musculus

<400> 1863

Met	Met	His	Arg	Asn	Gln	Thr	Val	Val	Thr	Glu	Phe	Phe	Phe	Thr	Gly
1				5					10					15	
Leu	Thr	Ser	Ser	Phe	His	Leu	Gln	Ile	Val	Leu	Phe	Leu	Thr	Phe	Leu
			20					25					30		
Cys	Val	Tyr	Leu	Ala	Thr	Leu	Leu	Gly	Asn	Leu	Gly	Met	Ile	Ile	Leu
		35					40					45			
Ile	His	Gln	Asp	Thr	Arg	Leu	His	Ile	Pro	Met	Tyr	Phe	Phe	Leu	Ser
	50					55					60				
His	Leu	Ser	Phe	Val	Asp	Ala	Cys	Ser	Ser	Ser	Val	Ile	Ser	Pro	Lys
65					70					75					80
Met	Leu	Ser	Asp	Ile	Phe	Val	Asp	Lys	Lys	Val	Ile	Ser	Phe	Leu	Gly
				85					90					95	
Cys	Ala	Ile	Gln	Phe	Cys	Leu	Phe	Ser	Gln	Phe	Val	Val	Thr	Glu	Cys
			100					105					110		
Phe	Leu	Leu	Ala	Ser	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Lys
		115					120					125			
Pro	Leu	Leu	Tyr	Thr	Leu	Ile	Met	Ser	Gln	Arg	Val	Cys	Val	Gln	Leu
	130					135					140				
Val	Ile	Gly	Pro	Tyr	Ser	Ile	Gly	Leu	Ile	Ser	Thr	Val	Val	His	Thr
145					150					155					160
Thr	Ser	Ala	Phe	Ile	Leu	Pro	Tyr	Cys	Gly	Pro	Asn	Leu	Ile	Asn	His
				165					170					175	
Phe	Phe	Cys	Asp	Leu	Leu	Pro	Val	Leu	Ser	Leu	Ala	Cys	Ala	Asp	Thr
			180					185					190		
Gln	Met	Asn	Lys	His	Leu	Leu	Phe	Ile	Met	Ala	Gly	Ile	Leu	Gly	Val
		195					200					205			
Phe	Ser	Gly	Ile	Ile	Ile	Leu	Val	Ser	Tyr	Val	Tyr	Ile	Thr	Ile	Thr
	210					215					220				
Ile	Leu	Lys	Ile	Asn	Ser	Ala	Asp	Gly	Arg	Arg	Lys	Ala	Phe	Ser	Thr
225					230					235					240
Cys	Ser	Ser	His	Leu	Thr	Ala	Val	Ser	Ile	Leu	Tyr	Gly	Thr	Leu	Phe
			245						250					255	
Phe	Ile	Tyr	Val	Arg	Pro	Ser	Ser	Ser	Phe	Ser	Leu	Asp	Ile	Asn	Lys
			260					265					270		
Val	Val	Ser	Leu	Phe	Tyr	Thr	Ala	Val	Ile	Pro	Met	Leu	Asn	Pro	Phe
		275					280					285			
Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Glu	Val	Lys	Asp	Ala	Leu	Ile	Arg	Thr
	290					295					300				
Phe	Glu	Lys	Lys	Phe	Cys	Tyr	Ser	Leu	Gln	Asp	Lys	Ile	Leu		
305					310					315					

<210> 1864

<211> 314

<212> PRT

<213> Mus musculus

<400> 1864

Met	Ala	Asp	Glu	Asn	Tyr	Thr	Arg	Ile	Thr	Glu	Phe	Ile	Phe	Ile	Gly
1				5					10					15	
Leu	Arg	Tyr	His	Pro	Asn	Leu	Gln	Val	Phe	Leu	Phe	Leu	Leu	Phe	Leu
			20					25					30		
Leu	Phe	Tyr	Leu	Val	Thr	Met	Thr	Gly	Asn	Leu	Gly	Met	Ile	Ile	Leu
		35					40					45			
Ile	Arg	Val	Asp	Ser	Arg	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Ser
	50					55					60				
His	Leu	Ser	Phe	Val	Asp	Ile	Cys	Phe	Ser	Ser	Val	Val	Ala	Pro	Lys

65					70					75				80
Met	Leu	Thr	Asp	Phe	Phe	Ala	Asp	Lys	Lys	Ala	Ile	Ser	Phe	Leu
				85					90					95
Cys	Val	Leu	Gln	Gln	Trp	Phe	Phe	Gly	Phe	Phe	Val	Ala	Ile	Glu
			100					105					110	Cys
Leu	Leu	Leu	Ala	Ser	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys
		115						120				125	Asn	
Pro	Leu	Leu	Tyr	Ser	Val	Ala	Met	Ser	Gln	Arg	Leu	Cys	Ile	Gln
	130					135					140			Leu
Val	Ile	Gly	Pro	Tyr	Ala	Val	Gly	Phe	Phe	Asn	Thr	Met	Thr	His
145					150					155				160
Thr	Ala	Ala	Phe	Arg	Leu	Pro	Phe	Cys	Gly	Ser	Asn	Ile	Ile	Asn
				165					170					175
Phe	Phe	Cys	Asp	Met	Ser	Pro	Ile	Leu	Ser	Leu	Ile	Cys	Ala	Asp
			180					185				190		Ile
Arg	Ile	Asn	Lys	Leu	Leu	Val	Phe	Ile	Val	Ala	Gly	Ala	Val	Leu
		195					200					205		Ile
Val	Ser	Ser	Thr	Thr	Ile	Ile	Val	Ser	Tyr	Phe	His	Ile	Leu	Ile
	210					215					220			Ala
Ile	Leu	Arg	Ile	Arg	Ser	Ala	Glu	Gly	Arg	Arg	Lys	Ala	Phe	Ser
225					230					235				Thr
Cys	Ser	Ser	His	Val	Thr	Ala	Val	Ser	Ile	Leu	Tyr	Gly	Thr	Leu
				245					250					255
Phe	Ile	Tyr	Val	Arg	Pro	Ser	Ala	Ile	Ser	Ser	Leu	Asp	Leu	Asn
			260					265				270		Lys
Val	Val	Ser	Val	Phe	Tyr	Thr	Ala	Val	Ile	Pro	Met	Leu	Asn	Pro
		275					280				285			Leu
Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Glu	Val	Lys	Ser	Ala	Met	Gly	Arg
	290				295						300			Thr
Val	Ala	Lys	Ala	Lys	Val	Phe	Leu	Lys	Asn					
305					310									

<210> 1865
 <211> 312
 <212> PRT
 <213> Mus musculus

<400> 1865														
Met	Asp	Val	Asp	Asn	Arg	Thr	Ile	Leu	Thr	Glu	Phe	Ile	Leu	Leu
1				5					10				15	Gly
Phe	Ser	Ala	Asp	Pro	His	Trp	Gln	Leu	Ile	Leu	Phe	Gly	Ile	Phe
			20					25					30	Leu
Thr	Ile	Tyr	Leu	Met	Thr	Leu	Leu	Gly	Asn	Met	Thr	Leu	Ile	Ile
			35				40					45		Leu
Ile	Arg	Ile	Asp	Ser	Arg	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Ile
	50					55				60				Gly
Gly	Leu	Ser	Phe	Leu	Asp	Phe	Trp	Tyr	Asn	Ser	Val	Tyr	Ile	Pro
65					70				75					Lys
Ile	Leu	Val	Asn	Cys	Val	Ser	Glu	Asp	Lys	Arg	Ile	Ser	Leu	Ala
			85						90				95	Gly
Cys	Gly	Ala	Gln	Phe	Phe	Phe	Ser	Cys	Val	Ala	Ala	Tyr	Thr	Glu
			100					105				110		Cys
Tyr	Leu	Leu	Ala	Ala	Met	Ala	Tyr	Asp	Arg	His	Ala	Ala	Ile	Cys
		115					120					125		Ser
Pro	Leu	Leu	Tyr	Ser	Ser	Ile	Met	Ser	Thr	Ser	Leu	Cys	Ala	Gly
	130					135					140			Leu
Val	Gly	Ala	Ser	Tyr	Val	Gly	Gly	Phe	Leu	Asn	Ala	Ile	Ala	His
145					150					155				160

Ala	Asn	Thr	Phe	Arg	Leu	Arg	Phe	Cys	Gly	Lys	Asn	Ile	Ile	Asp	His
				165					170					175	
Phe	Phe	Cys	Asp	Val	Leu	Pro	Leu	Val	Lys	Met	Ser	Cys	Thr	Asp	Thr
			180					185						190	
Arg	Val	Tyr	Val	Lys	Ile	Leu	Ser	Ser	Met	Val	Gly	Phe	Thr	Val	Leu
		195					200					205			
Ser	Ser	Ile	Leu	Ala	Ile	Leu	Ile	Ser	Tyr	Leu	Asn	Ile	Leu	Leu	Ala
	210					215					220				
Ile	Leu	Arg	Ile	Arg	Ser	Ala	Ser	Gly	Arg	Arg	Lys	Ala	Phe	Ser	Thr
225					230				235						240
Cys	Ala	Ser	His	Leu	Val	Ser	Val	Thr	Leu	Phe	Tyr	Gly	Ser	Leu	Leu
			245						250					255	
Phe	Met	Tyr	Ser	Arg	Pro	Ser	Ser	Asn	Tyr	Ser	Leu	Glu	Arg	Asp	Lys
			260					265					270		
Val	Ala	Ala	Met	Phe	Tyr	Ile	Ile	Asn	Pro	Leu	Leu	Asn	Pro	Phe	
		275					280					285			
Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Val	Lys	Glu	Ala	Phe	Lys	Lys	Leu
	290				295						300				
Met	Gln	Thr	Ile	Lys	Gln	Gln	Thr								
305					310										

<210> 1866

<211> 320

<212> PRT

<213> Mus musculus

<400> 1866

Met	Thr	Arg	Phe	Ser	Ser	Val	Asp	Met	Glu	Leu	Asp	Asn	Arg	Thr	Ile
1				5					10					15	
Leu	Thr	Glu	Phe	Ile	Leu	Val	Gly	Phe	Ser	Ala	Asp	Pro	His	Trp	Gln
			20					25					30		
Leu	Thr	Leu	Phe	Gly	Ile	Phe	Leu	Thr	Ile	Tyr	Leu	Leu	Thr	Leu	Ser
		35					40					45			
Gly	Asn	Met	Leu	Leu	Val	Val	Leu	Ile	Arg	Ile	Asn	Ser	Arg	Leu	His
	50					55					60				
Thr	Pro	Met	Tyr	Phe	Phe	Ile	Ser	Asn	Leu	Ser	Phe	Leu	Asp	Phe	Trp
65				70					75						80
Tyr	Thr	Ser	Val	Tyr	Thr	Pro	Lys	Ile	Leu	Ala	Thr	Cys	Ile	Ser	Glu
			85						90				95		
Asp	Lys	Arg	Ile	Ser	Leu	Ala	Gly	Cys	Gly	Ala	Gln	Leu	Phe	Phe	Ser
			100					105					110		
Cys	Val	Val	Ala	Tyr	Thr	Glu	Cys	Tyr	Leu	Leu	Ala	Ala	Met	Ala	Tyr
		115					120					125			
Asp	Arg	His	Ser	Ala	Ile	Cys	Ser	Pro	Leu	Ile	Tyr	Ser	Ser	Ile	Met
	130					135					140				
Ser	Ser	Ser	Leu	Cys	Thr	Gly	Leu	Val	Ala	Gly	Cys	Tyr	Ile	Gly	Gly
145					150					155					160
Val	Leu	Asn	Ala	Ile	Ala	His	Thr	Ala	Asn	Thr	Phe	Arg	Leu	Thr	Phe
			165						170					175	
Cys	Gly	Lys	Asn	Ile	Ile	Asp	His	Phe	Phe	Cys	Asp	Ala	Pro	Pro	Leu
			180					185					190		
Val	Lys	Met	Ser	Cys	Thr	Asp	Thr	Arg	Val	Tyr	Glu	Lys	Val	Leu	Leu
		195					200					205			
Gly	Val	Val	Gly	Phe	Thr	Val	Leu	Ser	Ser	Ile	Leu	Ala	Ile	Leu	Ile
	210					215						220			
Ser	Tyr	Phe	Asn	Ile	Leu	Leu	Ala	Ile	Leu	Arg	Ile	Arg	Ser	Ala	Ser
225					230					235					240
Gly	Arg	Arg	Lys	Ala	Phe	Ser	Thr	Cys	Ala	Ser	His	Leu	Val	Ser	Val

Met	Leu	Phe	Tyr	Gly	Ser	Leu	Leu	Phe	Met	Tyr	Ser	Arg	Pro	Ser	Ser
			260					265					270		
Thr	Tyr	Ser	Leu	Glu	Lys	Asp	Lys	Val	Ala	Ala	Leu	Phe	Tyr	Thr	Val
		275					280					285			
Val	Asn	Pro	Leu	Leu	Asn	Pro	Leu	Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Asp
	290					295					300				
Val	Lys	Asp	Ala	Phe	Arg	Lys	Ala	Thr	Gln	Thr	Ile	Arg	Pro	His	Thr
305					310					315					320

<210> 1867

<211> 305

<212> PRT

<213> Mus musculus

<400> 1867

Met	Glu	Gln	Tyr	Asn	Asp	Thr	Val	Thr	Glu	Phe	Ile	Leu	Val	Gly	Phe
1				5				10						15	
Thr	Thr	Asn	Pro	Val	Met	Gln	Leu	Val	Leu	Phe	Val	Ile	Phe	Leu	Ala
		20						25					30		
Val	Tyr	Ala	Leu	Thr	Val	Leu	Gly	Asn	Ser	Thr	Leu	Ile	Val	Leu	Ile
	35						40					45			
Cys	Asn	Asp	Ser	Arg	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Ile	Gly	Asn
	50					55					60				
Leu	Ser	Phe	Leu	Asp	Leu	Gly	Leu	Ser	Thr	Val	Tyr	Thr	Pro	Lys	Ile
65					70					75					80
Leu	Val	Thr	Cys	Ile	Ser	Glu	Asp	Lys	Ser	Ile	Ser	Phe	Ser	Gly	Cys
			85					90						95	
Val	Ala	Gln	Phe	Phe	Phe	Ser	Ala	Gly	Leu	Gly	Tyr	Thr	Glu	Cys	Tyr
		100						105					110		
Leu	Leu	Ala	Ala	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Ser	Lys	Pro
		115					120					125			
Leu	Leu	Tyr	Ser	Gln	Ala	Met	Ser	Leu	Lys	Leu	Cys	Ala	Phe	Leu	Val
	130					135					140				
Gly	Val	Ser	Tyr	Leu	Gly	Gly	Leu	Ile	Asn	Ser	Phe	Ile	Ile	Thr	Lys
145					150					155					160
Asp	Thr	Phe	Ala	Leu	Thr	Phe	Cys	Asn	Asp	Asn	Val	Ile	Asp	Asp	Phe
				165					170					175	
Phe	Cys	Asp	Ile	Pro	Pro	Leu	Val	Lys	Leu	Ala	Cys	Gly	Lys	Lys	Lys
			180					185					190		
Ser	Phe	Gln	Ser	Val	Leu	Phe	Phe	Leu	Leu	Thr	Ser	Asn	Val	Ile	Ile
		195					200					205			
Pro	Ile	Val	Phe	Ile	Leu	Ala	Thr	Tyr	Leu	Phe	Ile	Ile	Ala	Thr	Ile
	210					215					220				
Leu	Arg	Ile	Arg	Ser	Thr	Gln	Gly	Arg	Leu	Lys	Ala	Phe	Ser	Thr	Cys
225					230					235					240
Ser	Ser	His	Leu	Ile	Ser	Val	Thr	Leu	Tyr	Tyr	Gly	Ser	Ile	Leu	Tyr
			245						250					255	
Ile	Tyr	Ala	Trp	Pro	Arg	Ser	Ser	Tyr	Ser	Leu	Asp	Arg	Asp	Lys	Ile
		260						265					270		
Val	Ser	Thr	Phe	Tyr	Thr	Val	Val	Phe	Pro	Met	Leu	Asn	Pro	Leu	Ile
		275					280					285			
Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Val	Lys	Glu	Ala	Leu	Ser	Lys	Leu	Phe
	290					295					300				

Lys
305

<210> 1868
 <211> 311
 <212> PRT
 <213> Mus musculus

<400> 1868

Met	Glu	Arg	Gly	Asn	His	Thr	Val	Thr	Gly	Phe	Ile	Leu	Leu	Gly	Phe
1				5					10					15	
Ser	Thr	Asp	Pro	Val	Met	Gln	Lys	Ile	Leu	Phe	Val	Met	Phe	Leu	Gly
			20					25					30		
Val	Tyr	Ser	Leu	Thr	Leu	Leu	Gly	Asn	Thr	Thr	Leu	Ile	Ile	Leu	Ile
		35					40					45			
Cys	Asn	Asp	Ser	Arg	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Ile	Gly	Asn
	50					55					60				
Leu	Ser	Phe	Leu	Asp	Leu	Trp	Tyr	Ser	Ser	Val	Tyr	Thr	Pro	Lys	Ile
65					70					75					80
Leu	Val	Thr	Cys	Ile	Ser	Glu	Asp	Lys	Ser	Ile	Ser	Phe	Ala	Gly	Cys
				85					90					95	
Leu	Ser	Gln	Phe	Phe	Phe	Ser	Ala	Gly	Leu	Ala	Tyr	Ser	Glu	Cys	Tyr
			100					105					110		
Leu	Leu	Ala	Ala	Met	Ala	Tyr	Asp	Arg	Tyr	Thr	Ala	Ile	Ser	Asn	Pro
		115					120					125			
Leu	Leu	Tyr	Ala	Gln	Ala	Met	Ser	Arg	Arg	Leu	Cys	Val	Cys	Leu	Val
		130				135					140				
Val	Tyr	Ser	Tyr	Thr	Gly	Gly	Phe	Val	Asn	Ala	Ile	Ile	Leu	Thr	Ser
145					150					155					160
Asn	Thr	Phe	Thr	Leu	Asp	Phe	Cys	Gly	Asp	Asn	Val	Ile	Asp	Asp	Phe
				165					170					175	
Phe	Cys	Asp	Val	Pro	Pro	Leu	Val	Lys	Leu	Ala	Cys	Asp	Val	Arg	Glu
			180					185					190		
Ser	Tyr	Gln	Ser	Val	Leu	Tyr	Phe	Leu	Leu	Ala	Ser	Asn	Val	Ile	Ser
		195					200					205			
Pro	Thr	Leu	Leu	Ile	Leu	Thr	Ser	Tyr	Leu	Phe	Ile	Ile	Ala	Ala	Ile
		210				215					220				
Leu	Arg	Ile	Arg	Ser	Thr	Gln	Gly	Arg	Leu	Lys	Ala	Phe	Ser	Thr	Cys
225					230					235					240
Ser	Ser	His	Leu	Ile	Ser	Val	Thr	Leu	Tyr	Tyr	Gly	Ser	Ile	Leu	Tyr
			245						250					255	
Ile	Tyr	Ser	Arg	Pro	Ser	Ser	Ser	Tyr	Ser	Leu	Glu	Arg	Asp	Lys	Met
			260					265					270		
Val	Ser	Thr	Phe	Tyr	Thr	Val	Leu	Phe	Pro	Met	Leu	Asn	Pro	Met	Ile
		275				280						285			
Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Val	Lys	Glu	Ala	Leu	Arg	Lys	Leu	Phe
		290				295					300				
Lys	Leu	Ala	Pro	Ser	Glu	Val									
305					310										

<210> 1869
 <211> 313
 <212> PRT
 <213> Mus musculus

<400> 1869

Met	Glu	Ile	Ser	Asn	Gln	Ser	Gly	Ile	Ser	Glu	Phe	Phe	Leu	Thr	Gly
1				5					10					15	
Leu	Thr	Tyr	Ser	Pro	Ala	Ile	Glu	Ser	Phe	Ile	Phe	Ser	Leu	Phe	Leu
			20					25					30		
Ser	Ile	Tyr	Phe	Val	Thr	Ile	Phe	Gly	Asn	Ile	Leu	Ile	Ile	Leu	Ala

Ile	Cys	Tyr	Pro	Leu	Arg	Tyr	Thr	Val	Leu	Met	Asn	Pro	Ser	Phe	Cys	
	130					135					140					
Val	Ile	Leu	Val	Leu	Phe	Ser	Leu	Phe	Phe	Ser	Ile	Val	Asn	Gly	Leu	
145					150					155					160	
Leu	His	Ser	Leu	Met	Val	Leu	Tyr	Leu	Ser	Phe	Cys	Thr	Asp	Leu	Glu	
				165					170					175		
Ile	Leu	His	Phe	Phe	Cys	Glu	Ile	Ala	Gln	Ile	Leu	Lys	Leu	Ala	Cys	
			180					185					190			
Ser	Asp	Ser	Leu	Ile	Asn	Asn	Ile	Leu	Ile	Phe	Val	Thr	Ala	Ser	Ile	
		195				200						205				
Phe	Ala	Gly	Leu	Pro	Leu	Phe	Ala	Ile	Ile	Phe	Ser	Tyr	Thr	His	Ile	
	210					215					220					
Val	Ser	Thr	Val	Leu	Lys	Met	Pro	Ser	Ser	Glu	Gly	Lys	Tyr	Lys	Ala	
225					230					235					240	
Phe	Ser	Thr	Cys	Gly	Ser	His	Leu	Ser	Val	Val	Ser	Leu	Phe	Tyr	Gly	
				245					250					255		
Thr	Gly	Phe	Gly	Val	Tyr	Ile	Thr	Ser	Lys	Val	Ile	Asp	Ser	Pro	Lys	
			260				265						270			
Lys	Ile	Ala	Val	Ala	Ser	Val	Met	Tyr	Ser	Val	Val	Pro	Pro	Met	Leu	
		275					280					285				
Asn	Pro	Phe	Val	Tyr	Cys	Leu	Arg	Asn	Arg	Asp	Met	Lys	Glu	Ala	Leu	
	290					295					300					
Lys	Lys	Val	Ile	Gly	Arg	Thr	Ala	Ser	Leu	Leu						
305					310					315						

<210> 1871
 <211> 312
 <212> PRT
 <213> Mus musculus

<400> 1871

Met	Glu	Val	Lys	Asn	Lys	Ser	Val	Val	Leu	Asp	Ile	Phe	Leu	His	Gly	
1				5					10					15		
Leu	Thr	Asp	Asp	Ile	Glu	Leu	Gln	Pro	Phe	Ile	Phe	Gly	Phe	Phe	Leu	
			20				25					30				
Cys	Met	Tyr	Leu	Ile	Thr	Ile	Phe	Gly	Asn	Leu	Leu	Ile	Met	Leu	Ala	
	35						40					45				
Ile	Ile	Cys	Asp	Ser	His	Leu	His	Lys	Pro	Met	Tyr	Phe	Phe	Leu	Cys	
	50					55					60					
His	Leu	Ala	Phe	Asn	Asp	Met	Tyr	Leu	Ile	Ser	Ile	Thr	Val	Pro	Lys	
65				70						75					80	
Leu	Leu	Val	Asn	Val	Gln	Thr	Gln	Asp	Gln	Arg	Ile	Thr	Leu	Ala	Gly	
			85						90					95		
Cys	Leu	Ser	Gln	Gly	Cys	Phe	Val	Ala	Val	Cys	Phe	Ile	Phe	Glu	Cys	
			100				105					110				
Phe	Leu	Leu	Gly	Ile	Met	Ala	Tyr	Asp	Arg	Tyr	Ile	Ala	Ile	Cys	Phe	
	115						120					125				
Pro	Leu	Arg	Tyr	Thr	Val	Leu	Ile	Asn	Pro	Phe	Phe	Cys	Val	Ile	Val	
	130					135					140					
Val	Leu	Ile	Ser	Leu	Phe	Ile	Ser	Ile	Val	Asn	Gly	Leu	Leu	His	Ser	
145					150					155					160	
Leu	Met	Val	Leu	His	Leu	Ser	Phe	Cys	Thr	Asp	Leu	Glu	Ile	Leu	His	
			165						170					175		
Phe	Phe	Cys	Glu	Ile	Ala	Gln	Ile	Leu	Lys	Leu	Ala	Cys	Ser	Asp	Asn	
			180				185					190				
Leu	Ile	Asn	Asn	Ile	Leu	Ile	Phe	Val	Thr	Ala	Ser	Ser	Phe	Ala	Gly	
	195						200					205				
Val	Pro	Leu	Cys	Gly	Ile	Ile	Phe	Ser	Tyr	Val	His	Ile	Val	Ser	Thr	

210		215		220
Val Leu Lys Met Pro Ser	Ser Glu Gly Lys Tyr	Lys Ala Phe Ser Thr		
225		230		240
Cys Gly Ser His Leu Ser	Val Val Ser Leu Phe Tyr	Gly Thr Gly Phe		
		245		255
Gly Val Tyr Ile Thr Ser	Val Val Ile Asp Ser Pro	Lys Glu Ile Ala		
		260		270
Ile Ala Ser Val Met Tyr	Ser Ile Val Pro Pro Met	Leu Asn Pro Phe		
		275		285
Val Tyr Ser Leu Lys Asn	Arg Asp Met Lys Glu Ala	Leu Lys Lys Val		
		290		300
Ile Gly Arg Thr Val Ser	Leu Pro			
305		310		

<210> 1872

<211> 317

<212> PRT

<213> Mus musculus

<400> 1872

Met Cys Lys Met Glu Val	Glu Asn Lys Ser Val Val	Phe Asp Ile Phe
1	5	10
Leu His Gly Leu Thr Asp	Asp Thr Glu Leu Gln Pro	Phe Ile Phe Gly
	20	25
Leu Phe Leu Cys Met Tyr	Leu Ile Thr Ile Phe Gly	Asn Leu Leu Ile
	35	40
Ile Leu Ala Ile Ile Cys	Asp Ser His Leu His Thr	Pro Met Tyr Phe
	50	55
Phe Leu Cys His Leu Ala	Phe Asn Asp Met Tyr	Leu Ile Ser Ile Thr
65	70	75
Val Pro Lys Met Leu Val	Asn Ile Gln Thr Gln Asp	Gln Arg Ile Thr
	85	90
Phe Ala Gly Cys Leu Ser	Gln Gly Cys Phe Val Ala	Val Cys Thr Ile
	100	105
Phe Glu Cys Phe Leu Leu	Gly Ile Met Ala Tyr Asp	Arg Phe Ile Ala
	115	120
Ile Cys Tyr Pro Leu Arg	Tyr Thr Val Leu Met Asn	Pro Cys Phe Cys
	130	135
Val Ile Leu Thr Leu Ile	Ser Leu Phe Phe Ser Ile	Val Asn Gly Leu
145	150	155
Leu His Ser Leu Met Val	Leu His Leu Ser Phe Cys	Thr Asp Leu Glu
	165	170
Ile Leu His Phe Phe Cys	Glu Ile Ala Gln Ile Leu	Lys Leu Ala Cys
	180	185
Ser Asp Ser Leu Ile Asn	Asn Ile Leu Ile Phe Val	Thr Ser Ser Ile
	195	200
Phe Ala Gly Val Pro Leu	Cys Gly Ile Ile Phe Ser	Tyr Val His Ile
	210	215
Val Ser Thr Val Leu Lys	Met Pro Ser Leu Glu Gly	Lys Tyr Lys Ala
225	230	235
Phe Ser Thr Cys Gly Ser	His Leu Ser Val Val Ser	Leu Phe Tyr Gly
	245	250
Thr Gly Phe Gly Val Tyr	Ile Ser Ser Asn Val Ile	Asp Ser Pro Lys
	260	265
Lys Ile Ala Met Ala Ser	Val Met Tyr Ser Ile Val	Pro Pro Met Met
	275	280
Asn Pro Phe Ile Tyr Ser	Met Arg Asn Arg Asn Met	Lys Glu Ala Leu
	290	295
		300

Lys Lys Val Ile Gly Arg Lys Leu Leu Phe Ser Asp Val
 305 310 315

<210> 1873
 <211> 295
 <212> PRT
 <213> Mus musculus

<400> 1873
 Met Gly Leu Ser Asp Asp Leu Gln Leu Gln Pro Ile Leu Phe Gly Leu
 1 5 10 15
 Phe Leu Ser Met Tyr Leu Val Thr Leu Leu Gly Asn Leu Leu Ile Ile
 20 25 30
 Leu Thr Val Ser Ser Asp Ser His Leu His Ser Pro Met Tyr Phe Phe
 35 40 45
 Leu Ser Asn Leu Ser Leu Ala Asp Val Ser Phe Thr Ser Thr Thr Leu
 50 55 60
 Pro Lys Met Ile Val Asp Ile Gln Thr His Asn Arg Ala Ile Ser Tyr
 65 70 75 80
 Ser Gly Cys Leu Thr Gln Met Ser Phe Phe Met Leu Phe Gly Cys Leu
 85 90 95
 Asp Ser Leu Leu Leu Thr Ala Met Ala Tyr Asp Arg Phe Val Ala Ile
 100 105 110
 Cys His Pro Leu His Tyr Gln Phe Ile Met Asn Pro Arg Leu Cys Gly
 115 120 125
 Leu Leu Val Phe Leu Ser Val Leu Ile Ser Leu Phe Val Ser Gln Leu
 130 135 140
 His Asn Ser Val Val Leu Gln Leu Thr Tyr Phe Lys Ser Val Asp Ile
 145 150 155 160
 Ser His Phe Phe Cys Asp Pro Ser Gln Leu Leu Asn Leu Ala Cys Ser
 165 170 175
 Asp Thr Phe Thr Asn Asn Ile Val Met Tyr Phe Val Gly Ala Ile Ser
 180 185 190
 Gly Phe Leu Pro Ile Ser Gly Ile Phe Phe Ser Tyr Tyr Lys Ile Val
 195 200 205
 Ser Ser Ile Leu Arg Met Pro Ser Pro Gly Gly Lys Tyr Lys Ala Phe
 210 215 220
 Ser Thr Cys Gly Ser His Leu Ser Val Val Cys Leu Phe Tyr Gly Thr
 225 230 235 240
 Gly Leu Gly Val Tyr Leu Ser Ser Ala Val Ser Leu Ser Pro Arg Lys
 245 250 255
 Gly Ala Val Ala Ser Ile Val Tyr Thr Val Val Thr Pro Met Leu Asn
 260 265 270
 Pro Phe Ile Tyr Ser Leu Arg Asn Gln Asp Ile Lys Arg Ala Met Trp
 275 280 285
 Arg Leu Leu Arg Lys Thr Val
 290 295

<210> 1874
 <211> 306
 <212> PRT
 <213> Mus musculus

<400> 1874
 Met Glu Pro Tyr Asn Leu Thr Gly Ala Leu Glu Phe Leu Leu Leu Gly
 1 5 10 15
 Leu Ser Glu Asp Pro Glu Leu Gln Pro Val Leu Phe Ala Leu Phe Leu

Phe	Leu	Ile	Leu	Phe	Gly	Cys	Met	Asp	Gly	Leu	Leu	Leu	Thr	Val	Met
		115					120					125			
Ala	Tyr	Asp	Arg	Phe	Val	Ala	Val	Cys	His	Pro	Leu	His	Tyr	Ser	Leu
	130					135					140				
Ile	Met	Asn	Pro	Arg	Leu	Cys	Gly	Ser	Leu	Val	Cys	Leu	Ser	Leu	Leu
145					150					155					160
Ile	Ser	Leu	Val	Asp	Ser	Gln	Ala	His	Asn	Leu	Ile	Ala	Leu	Gln	Ile
				165					170					175	
Ile	Tyr	Phe	Lys	Asp	Val	Lys	Ile	Ser	Asn	Phe	Phe	Cys	Asp	Pro	Ala
			180					185					190		
Gln	Leu	Leu	Asn	Leu	Ala	Cys	Phe	Asn	Thr	Phe	Ile	Asn	Asn	Ile	Val
		195					200					205			
Met	Tyr	Phe	Val	Gly	Ala	Ile	Ser	Gly	Leu	Leu	Pro	Ile	Ser	Gly	Ile
	210					215					220				
Phe	Phe	Ser	Tyr	Tyr	Lys	Ile	Val	Phe	Ser	Ile	Leu	Lys	Ile	Pro	Ser
225					230					235					240
Lys	Gly	Gly	Arg	Tyr	Lys	Ala	Phe	Ser	Thr	Cys	Gly	Ser	His	Leu	Ser
				245					250					255	
Val	Val	Cys	Leu	Phe	Tyr	Gly	Thr	Ala	Ile	Gly	Val	Tyr	Leu	Gly	Ser
			260					265					270		
Ala	Val	Ser	His	Ser	Pro	Arg	Ser	Thr	Ala	Val	Ala	Ser	Leu	Ile	Tyr
		275					280					285			
Thr	Val	Val	Thr	Pro	Met	Leu	Asn	Pro	Phe	Ile	Tyr	Ser	Leu	Arg	Asn
	290					295					300				
Lys	Asp	Ile	Lys	Arg	Ala	Val	Lys	Arg	Leu	His	Arg	Arg	Met	Leu	
305					310					315					

<210> 1876

<211> 295

<212> PRT

<213> Mus musculus

<400> 1876

Met	Ser	Leu	Ser	Glu	Asn	Val	Glu	Leu	Gln	Pro	Phe	Leu	Leu	Val	Leu
1				5					10					15	
Phe	Leu	Ser	Phe	Tyr	Met	Val	Thr	Val	Leu	Gly	Asn	Leu	Leu	Ile	Ile
			20					25					30		
Leu	Ala	Val	Cys	Ser	Asp	Phe	His	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe
		35				40					45				
Leu	Ser	Asn	Leu	Ser	Trp	Ser	Asp	Ile	Cys	Leu	Ile	Ser	Thr	Ile	Val
	50					55					60				
Pro	Arg	Met	Ile	Trp	Asp	Ile	Gly	Thr	Gln	Ser	Arg	Val	Ile	Ser	Tyr
65					70					75					80
Val	Ser	Cys	Leu	Thr	Gln	Met	Ser	Met	Phe	Ile	Val	Phe	Gly	Cys	Met
				85					90					95	
Asp	Ser	Met	Leu	Leu	Thr	Val	Met	Ala	Tyr	Asp	Arg	Phe	Val	Ala	Ile
			100					105					110		
Cys	His	Pro	Leu	His	Tyr	Lys	Ile	Ile	Met	Asn	Pro	Asn	Leu	Cys	Ala
		115					120					125			
Phe	Leu	Leu	Leu	Ala	Ser	Val	Leu	Ala	Ser	Leu	Val	Asp	Ser	Gln	Val
	130					135					140				
His	Asn	Leu	Ile	Val	Leu	Gln	Phe	Thr	Tyr	Phe	Asn	Asp	Met	Glu	Ile
145					150					155					160
Ser	Asn	Phe	Phe	Cys	Asp	Pro	Ser	Gln	Leu	Leu	Asn	His	Asn	Cys	Ser
			165						170					175	
Glu	Met	Phe	Thr	Lys	Asn	Ile	Val	Ile	His	Phe	Ile	Gly	Val	Phe	Phe
			180					185					190		
Gly	Leu	Phe	Ser	Thr	Thr	Gly	Ile	Ile	Phe	Ser	Tyr	Tyr	Lys	Ile	Ile

		195				200				205									
Ser	Ser	Ile	Leu	Arg	Ile	Pro	Thr	Lys	Asp	Gly	Lys	Tyr	Lys	Ala	Phe				
	210					215					220								
Ser	Thr	Cys	Gly	Ser	His	Leu	Ser	Val	Val	Cys	Leu	Phe	Tyr	Gly	Thr				
225					230					235					240				
Ser	Ile	Gly	Val	Tyr	Ile	Gly	Ser	Thr	Ala	Ser	Asn	Ser	Pro	Lys	Asn				
				245					250					255					
Cys	Ala	Ile	Ala	Ser	Leu	Met	Tyr	Thr	Val	Val	Thr	Pro	Met	Leu	Asn				
			260					265					270						
Pro	Phe	Ile	Tyr	Ser	Leu	Arg	Asn	Arg	Asp	Ile	Lys	Thr	Ala	Leu	Trp				
		275					280					285							
Gln	Leu	Gln	Arg	Arg	Ala	Met													
	290					295													

<210> 1877

<211> 309

<212> PRT

<213> Mus musculus

<400> 1877

Met	Met	Lys	Leu	Lys	Met	Glu	Asn	Ile	Thr	Tyr	Val	Ser	Gln	Phe	Tyr				
1				5					10					15					
Leu	Leu	Arg	Val	Ser	Asp	Asp	Pro	Glu	Leu	Gln	Pro	Phe	Leu	Ser	Gly				
			20					25					30						
Leu	Phe	Leu	Ser	Met	Tyr	Leu	Ile	Ser	Val	Leu	Gly	Asn	Leu	Ile	Ile				
		35					40					45							
Ile	Leu	Ile	Val	Ser	Ser	Phe	Ser	His	Leu	His	Thr	Pro	Met	Tyr	Phe				
	50					55					60								
Phe	Leu	Ser	Ile	Leu	Ser	Leu	Ala	Asp	Ile	Gly	Phe	Ile	Ser	Thr	Thr				
65					70				75						80				
Val	Pro	Asn	Met	Ile	Ala	Glu	Leu	Gln	Ile	His	Ser	Pro	Val	Ile	Ser				
			85					90						95					
Tyr	Val	Gly	Cys	Leu	Thr	Gln	Met	Ser	Leu	Phe	Ile	Ile	Phe	Ala	Cys				
			100				105						110						
Met	Asp	Ser	Met	Leu	Leu	Ala	Val	Met	Ala	Tyr	Asp	Arg	Phe	Val	Ala				
	115					120						125							
Ile	Cys	His	Pro	Leu	Arg	Tyr	Ala	Ile	Ile	Met	Asn	Pro	Cys	Arg	Cys				
	130					135					140								
Gly	Ile	Leu	Val	Leu	Met	Ser	Phe	Ser	Ala	Ser	Leu	Phe	Glu	Ser	Leu				
145					150					155					160				
Leu	His	Asn	Leu	Val	Ala	Leu	Gln	Leu	Lys	Cys	Phe	Lys	Asp	Val	Ala				
				165					170					175					
Ile	Ala	Asn	Phe	Phe	Cys	His	Pro	Ser	Gln	Leu	Leu	Asn	Leu	Ser	Cys				
			180					185					190						
Asn	Asn	Thr	Phe	Asn	Asn	Asn	Ile	Leu	Met	Tyr	Val	Ile	Gly	Val	Ile				
		195					200					205							
Leu	Gly	Val	Phe	Pro	Leu	Ser	Gly	Ile	Leu	Ile	Ser	Tyr	Phe	Lys	Ile				
	210					215					220								
Ile	Ser	Ser	Ile	Leu	Arg	Ile	Thr	Ser	Ser	Ser	Gly	Arg	Tyr	Lys	Ala				
225					230					235					240				
Phe	Ser	Thr	Cys	Gly	Ser	His	Leu	Ala	Val	Val	Cys	Leu	Phe	Tyr	Gly				
				245					250					255					
Thr	Gly	Leu	Gly	Glu	Tyr	Phe	Gly	Ser	Leu	Leu	Ser	His	Ser	Ser	Gly				
			260				265						270						
Asn	Asn	Val	Val	Ala	Ser	Leu	Met	Tyr	Thr	Val	Val	Thr	Pro	Met	Leu				
		275					280					285							
Asn	Pro	Phe	Ile	Tyr	Ser	Leu	Arg	Asn	Gln	Asp	Ile	Ser	Asp	Ser	Leu				
	290					295					300								

Lys Arg Leu His Phe
305

<210> 1878

<211> 312

<212> PRT

<213> Mus musculus

<400> 1878

Met	Ile	Asn	Asn	Asp	Val	Glu	Asn	Leu	Lys	Asp	Val	Leu	Glu	Phe	His
1				5					10					15	
Leu	Met	Ala	Leu	Ser	Glu	Asp	Pro	Glu	Leu	Gln	Leu	Leu	Leu	Phe	Gly
			20					25					30		
Leu	Phe	Leu	Ser	Val	Tyr	Leu	Val	Thr	Val	Leu	Gly	Asn	Leu	Leu	Ile
		35					40					45			
Ile	Leu	Ile	Ile	Ile	Phe	Asp	Ser	Asn	Leu	His	Asn	Pro	Met	Tyr	Phe
	50					55					60				
Phe	Leu	Ser	Asn	Leu	Ser	Leu	Ile	Asp	Ile	Leu	Phe	Ile	Ser	Thr	Thr
65					70					75					80
Ile	Pro	Lys	Met	Ile	Val	Gly	Ile	Lys	Met	His	Ser	Arg	Val	Ile	Ser
			85						90					95	
Tyr	Ala	Gly	Cys	Leu	Thr	Gln	Met	Ser	Leu	Phe	Leu	Phe	Phe	Val	Cys
			100					105					110		
Met	Asp	Asp	Met	Ile	Leu	Asn	Val	Met	Ala	Tyr	Asp	Arg	Phe	Val	Ala
		115					120					125			
Ile	Cys	His	Pro	Leu	His	Tyr	Thr	Val	Leu	Met	Asn	Pro	Gln	Val	Cys
	130					135					140				
Val	Ile	Leu	Ile	Leu	Leu	Ser	Phe	Ser	Val	Ser	Val	Phe	Asp	Ser	Gln
145					150					155					160
Leu	His	Asn	Leu	Ile	Ala	Leu	Gln	Asp	Thr	Cys	Phe	Arg	Asp	Val	Glu
			165						170					175	
Ile	Ala	Asn	Phe	Phe	Cys	His	Pro	Ser	Gln	Leu	Leu	Asn	Leu	Ala	Cys
			180					185					190		
Thr	Asn	Thr	Leu	Ser	Ser	Asn	Ile	Val	Ile	Tyr	Phe	Ile	Gly	Val	Ile
		195					200						205		
Leu	Gly	Ile	Phe	Pro	Val	Leu	Gly	Ile	Ile	Leu	Ser	Tyr	Cys	Lys	Ile
	210					215					220				
Val	Phe	Ser	Ile	Leu	Lys	Ile	Pro	Ser	Ser	Ser	Gly	Lys	Tyr	Lys	Ala
225					230					235					240
Phe	Ser	Thr	Cys	Gly	Ser	His	Leu	Leu	Val	Val	Cys	Leu	Phe	Tyr	Gly
			245						250					255	
Thr	Gly	Ile	Gly	Val	Tyr	Leu	Gly	Ser	Ala	Val	Ser	His	Ser	Pro	Arg
			260					265					270		
Lys	Asn	Ala	Val	Ala	Ser	Leu	Met	Tyr	Thr	Ala	Val	Ser	Pro	Met	Leu
		275					280					285			
Asn	Pro	Phe	Ile	Tyr	Thr	Leu	Arg	Asn	Arg	Asp	Ile	Ser	Asn	Ala	Leu
	290					295					300				
Lys	Arg	Phe	His	Ser	Arg	Phe	Ser								
305					310										

<210> 1879

<211> 295

<212> PRT

<213> Mus musculus

<400> 1879

Met Ser Leu Ser Glu Asn Val Glu Val Gln Pro Phe Leu Leu Val Leu

1				5					10					15			
Phe	Leu	Ser	Phe	Tyr	Met	Val	Thr	Val	Leu	Gly	Asn	Leu	Leu	Ile	Ile		
			20					25					30				
Leu	Ala	Val	Cys	Ser	Asp	Phe	His	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe		
		35					40					45					
Leu	Ser	Asn	Leu	Ser	Trp	Ser	Asp	Ile	Cys	Leu	Ile	Ser	Thr	Ile	Val		
	50					55					60						
Pro	Arg	Met	Ile	Trp	Asp	Ile	Gly	Thr	Gln	Ser	Arg	Val	Ile	Ser	Tyr		
65					70					75					80		
Val	Ser	Cys	Leu	Thr	Gln	Met	Ser	Met	Phe	Ile	Leu	Phe	Ala	Cys	Met		
				85					90					95			
Asp	Ser	Met	Leu	Leu	Thr	Val	Met	Ala	Tyr	Asp	Arg	Phe	Val	Ala	Ile		
			100					105					110				
Cys	His	Pro	Leu	His	Tyr	Lys	Ile	Ile	Met	Asn	Pro	Asn	Leu	Cys	Ala		
		115					120					125					
Phe	Leu	Leu	Leu	Ala	Ser	Val	Leu	Ala	Ser	Leu	Val	Asp	Ser	Gln	Val		
	130					135					140						
His	Asn	Leu	Ile	Val	Leu	Gln	Phe	Thr	His	Phe	Ser	Gly	Met	Glu	Ile		
145					150					155				160			
Ser	Asn	Phe	Tyr	Cys	Asp	Pro	Ser	Gln	Leu	Leu	Asn	Leu	Asn	Cys	Ser		
				165					170					175			
Glu	Met	Phe	Thr	Lys	Ser	Ile	Val	Ile	His	Phe	Ile	Gly	Val	Phe	Phe		
			180					185					190				
Gly	Leu	Phe	Ser	Thr	Thr	Gly	Ile	Ile	Ser	Ser	Tyr	Tyr	Lys	Ile	Ile		
		195				200						205					
Ser	Ser	Ile	Leu	Arg	Ile	Pro	Ser	Lys	Asp	Gly	Lys	Tyr	Lys	Ala	Phe		
	210					215					220						
Ser	Thr	Cys	Gly	Ser	His	Leu	Ser	Val	Val	Cys	Leu	Phe	Tyr	Gly	Thr		
225					230					235					240		
Ala	Thr	Ala	Val	Tyr	Ile	Gly	Ser	Thr	Ser	Ser	Tyr	Ser	Pro	Glu	Asn		
				245						250				255			
Cys	Ala	Val	Ala	Ser	Leu	Met	Tyr	Thr	Val	Val	Ile	Pro	Met	Leu	Asn		
			260					265					270				
Pro	Phe	Ile	Tyr	Ser	Leu	Arg	Asn	Arg	Asp	Ile	Lys	Ile	Ala	Leu	Arg		
		275					280					285					
Lys	Leu	Gln	Arg	Arg	Ala	Ile											
	290					295											

<210> 1880

<211> 311

<212> PRT

<213> Mus musculus

<400> 1880

Met	Lys	Asn	Arg	Thr	Ser	Val	Ser	Glu	Phe	Ile	Leu	Leu	Gly	Leu	Thr		
1				5					10					15			
Ser	Asp	Pro	Lys	Leu	Asn	Ile	Leu	Ile	Phe	Ile	Phe	Leu	Phe	Ile	Thr		
			20					25					30				
Tyr	Ile	Leu	Ser	Ile	Thr	Gly	Asn	Leu	Thr	Ile	Ile	Thr	Leu	Thr	Leu		
		35				40						45					
Ile	Asp	Ser	His	Leu	Lys	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Arg	Asn	Phe		
	50					55					60						
Ser	Phe	Leu	Glu	Ile	Ser	Phe	Thr	Thr	Val	Ser	Ile	Pro	Arg	Phe	Leu		
65					70					75					80		
Val	Ser	Ile	Val	Thr	Gly	Asp	Met	Thr	Ile	Ser	Tyr	Asn	Ser	Cys	Met		
				85					90					95			
Ala	Gln	Val	Phe	Phe	Phe	Ile	Leu	Leu	Gly	Ser	Thr	Glu	Phe	Phe	Leu		
			100					105					110				

Leu	Thr	Ala	Met	Ser	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Lys	Pro	Leu
		115					120					125			
His	Tyr	Thr	Thr	Ile	Met	Asn	Ser	Arg	Val	Cys	Met	Gln	Leu	Ile	Val
	130					135					140				
Ser	Ser	Trp	Leu	Ala	Gly	Phe	Leu	Ile	Ile	Phe	Pro	Pro	Val	Ile	Met
145					150					155					160
Gly	Leu	Gln	Leu	Asp	Phe	Cys	Asp	Ser	Asn	Ile	Ile	Asp	His	Phe	Thr
			165						170					175	
Cys	Asp	Ser	Ser	Pro	Leu	Leu	Leu	Ile	Ser	Cys	Thr	Asp	Thr	Ala	Phe
			180					185					190		
Leu	Glu	Leu	Leu	Ala	Phe	Phe	Leu	Ala	Val	Phe	Thr	Leu	Met	Val	Thr
		195					200					205			
Leu	Thr	Leu	Val	Ile	Leu	Ser	Tyr	Ser	Phe	Ile	Leu	Arg	Thr	Ile	Leu
	210					215					220				
Arg	Ile	Pro	Ser	Ala	Glu	Gln	Arg	Lys	Lys	Ala	Phe	Ser	Thr	Cys	Ser
225					230					235					240
Ser	His	Met	Ile	Val	Val	Ser	Ile	Ser	Tyr	Gly	Ser	Cys	Ile	Phe	Met
				245					250					255	
Tyr	Val	Lys	Thr	Ser	Ala	Lys	Glu	Gly	Val	Ala	Leu	Thr	Lys	Gly	Ile
			260					265					270		
Ala	Val	Leu	Asn	Thr	Ser	Val	Ala	Pro	Met	Leu	Asn	Pro	Phe	Ile	Tyr
		275					280					285			
Ser	Leu	Arg	Asn	Lys	Gln	Val	Lys	Glu	Ser	Phe	Arg	Asn	Leu	Ile	Lys
	290					295					300				
Lys	Cys	Ile	Ser	Asn	Lys	Ile									
305					310										

<210> 1881

<211> 319

<212> PRT

<213> Mus musculus

<400> 1881

Met	Lys	Asn	Gln	Ser	Val	Glu	Ile	Val	Phe	Ile	Leu	Leu	Gly	Leu	Thr
1				5					10					15	
Asp	Asp	Pro	Gln	Leu	Gln	Ile	Leu	Ile	Phe	Leu	Phe	Met	Phe	Phe	Asn
			20					25					30		
Tyr	Ile	Leu	Ser	Leu	Ile	Gly	Asn	Leu	Ile	Ile	Ile	Phe	Leu	Thr	Leu
	35					40						45			
Leu	Asp	Leu	Arg	Leu	Lys	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Arg	Asn	Phe
	50					55					60				
Ser	Phe	Leu	Glu	Met	Ala	Phe	Thr	Ser	Ser	Cys	Ile	Pro	Arg	Phe	Leu
65					70					75				80	
Met	Ser	Ile	Leu	Thr	Gly	Asp	Lys	Thr	Ile	Ser	Tyr	Gly	Ser	Cys	Leu
			85					90					95		
Thr	Gln	Leu	Phe	Phe	Phe	Phe	Leu	Leu	Ile	Thr	Glu	Phe	Tyr	Leu	
			100					105				110			
Leu	Ala	Ala	Met	Ser	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Arg	Pro	Leu
		115					120					125			
His	Tyr	Pro	Ile	Ile	Met	Asn	Ser	Lys	Val	Cys	His	Leu	Leu	Val	Leu
	130					135					140				
Ser	Ser	Trp	Val	Thr	Gly	Phe	Leu	Ser	Ile	Phe	Pro	Pro	Leu	Met	Leu
145					150					155					160
Gly	Leu	Lys	Leu	Asp	Phe	Cys	Ala	Ser	Lys	Leu	Ile	Asp	His	Phe	Leu
			165						170					175	
Cys	Asp	Thr	Ser	Pro	Val	Leu	Gln	Leu	Ser	Cys	Thr	Asp	Thr	Arg	Phe
			180					185					190		
Ile	Glu	Trp	Met	Ala	Phe	Val	Ile	Ala	Ile	Met	Thr	Leu	Ile	Ile	Thr

Leu	Ile	Leu	Val	Ile	Leu	Ser	Tyr	Thr	Leu	Ile	Ile	Lys	Thr	Ile	Leu
210						215					220				
Lys	Phe	Pro	Ser	Ala	Gln	Gln	Arg	Lys	Lys	Ala	Phe	Ser	Thr	Cys	Ser
225					230					235					240
Ser	His	Met	Val	Val	Val	Ser	Ile	Thr	Tyr	Gly	Ser	Cys	Ile	Phe	Met
				245					250					255	
Tyr	Ile	Lys	Thr	Ser	Ala	Lys	Glu	Arg	Val	Ser	Leu	Asn	Lys	Gly	Val
			260					265					270		
Ala	Val	Leu	Asn	Thr	Ser	Val	Ala	Pro	Leu	Leu	Asn	Pro	Phe	Ile	Tyr
		275					280					285			
Thr	Leu	Arg	Asn	Gln	Gln	Val	Lys	Asp	Ala	Phe	Lys	Gln	Val	Leu	Gln
290						295					300				
Arg	Leu	Cys	His	Ser	Gln	Asn	Ser	Glu	Leu	Arg	Phe	Arg	His	Gln	
305					310					315					

<210> 1882
 <211> 308
 <212> PRT
 <213> Mus musculus

<400> 1882

Met	Lys	Asn	Tyr	Thr	Ile	Ile	Thr	Glu	Phe	Val	Leu	Leu	Gly	Ile	Ser
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Gly	Asn	Arg	Glu	Leu	Gln	Val	Val	Ile	Phe	Val	Phe	Leu	Leu	Ile	Thr
			20					25					30		
Tyr	Ile	Val	Ser	Ile	Thr	Gly	Asn	Leu	Thr	Ile	Ile	Leu	Leu	Thr	Leu
		35				40						45			
Leu	Asp	Ser	His	Leu	Lys	Thr	Pro	Met	Tyr	Tyr	Phe	Leu	Arg	Asn	Phe
	50					55					60				
Ser	Phe	Leu	Glu	Ile	Met	Phe	Thr	Ser	Val	Ser	Ile	Pro	Arg	Phe	Leu
65					70					75					80
Ala	Ser	Ile	Ile	Thr	Gln	Val	Lys	Thr	Ile	Ser	Tyr	Asn	Asn	Cys	Phe
				85					90					95	
Ala	Gln	Leu	Phe	Phe	Phe	Ile	Phe	Met	Gly	Val	Thr	Glu	Phe	Phe	Leu
			100					105					110		
Leu	Thr	Ala	Met	Ser	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Lys	Pro	Leu
		115					120					125			
His	Tyr	Thr	Leu	Ile	Met	Asn	Gln	Lys	Val	Cys	Thr	Leu	Leu	Val	Leu
	130					135					140				
Thr	Ser	Trp	Leu	Ala	Gly	Phe	Leu	Thr	Ile	Phe	Pro	Pro	Leu	Met	Leu
145					150					155					160
Val	Leu	Lys	Leu	Asp	Phe	Cys	Ala	Ser	Asn	Val	Ile	Asp	His	Phe	Cys
				165					170					175	
Cys	Asp	Tyr	Phe	Pro	Leu	Leu	Gln	Leu	Ser	Cys	Ser	Asp	Thr	Trp	Leu
			180					185					190		
Leu	Glu	Val	Ile	Gly	Phe	Tyr	Val	Ala	Leu	Val	Thr	Leu	Leu	Phe	Thr
		195					200					205			
Leu	Ala	Leu	Val	Ile	Leu	Ser	Tyr	Met	Tyr	Ile	Phe	Arg	Thr	Ile	Leu
	210					215					220				
Arg	Ile	Pro	Ser	Ala	Asn	Gln	Arg	Lys	Lys	Ala	Phe	Ser	Thr	Cys	Ser
225					230					235					240
Ser	His	Met	Ile	Val	Ile	Ser	Met	Ser	Tyr	Gly	Ser	Cys	Ile	Phe	Ile
				245					250					255	
Tyr	Val	Lys	Pro	Ser	Ala	Asn	Glu	Arg	Ala	Ser	Leu	Thr	Lys	Thr	Val
			260					265					270		
Ala	Ile	Leu	Ser	Thr	Ser	Val	Ala	Pro	Met	Leu	Asn	Pro	Phe	Ile	Tyr
		275					280					285			

Thr Leu Arg Asn Gln Gln Val Lys Gln Ala Phe Lys Asp Leu Ile His
 290 295 300
 Lys Val Val Phe
 305

<210> 1883
 <211> 313
 <212> PRT
 <213> Mus musculus

<400> 1883
 Met Lys Asn Gln Ser Val Glu Ile Val Phe Ile Leu Leu Gly Leu Thr
 1 5 10 15
 Asp Asp Pro Gln Leu Gln Ile Leu Ile Phe Leu Phe Met Phe Phe Asn
 20 25 30
 Tyr Ile Leu Ser Leu Met Gly Asn Leu Val Ile Ile Phe Leu Thr Leu
 35 40 45
 Leu Asp Leu Arg Leu Lys Thr Pro Met Tyr Phe Phe Leu Arg Asn Phe
 50 55 60
 Ser Phe Leu Glu Ile Ala Phe Thr Thr Ala Cys Ile Pro Arg Phe Leu
 65 70 75 80
 Met Ser Ile Leu Thr Gly Asp Lys Thr Ile Thr Tyr Asn Ala Cys Val
 85 90 95
 Ala Gln Leu Phe Phe Phe Phe Leu Leu Leu Ile Thr Glu Phe Tyr Leu
 100 105 110
 Leu Ala Ala Met Ser Tyr Asp Arg Tyr Val Ala Ile Cys Arg Pro Leu
 115 120 125
 His Tyr Pro Ile Ile Met Asn Ser Lys Val Cys His Ile Leu Val Leu
 130 135 140
 Ser Ser Trp Met Thr Gly Phe Leu Ser Ile Phe Pro Pro Leu Met Leu
 145 150 155 160
 Gly Leu Lys Leu Glu Phe Cys Ala Ser Lys Thr Val Asp His Phe Leu
 165 170 175
 Cys Asp Thr Ser Pro Val Leu Gln Leu Ser Cys Thr Asp Thr Arg Phe
 180 185 190
 Ile Glu Trp Met Ala Phe Val Ile Ala Ile Met Thr Leu Ile Ile Thr
 195 200 205
 Leu Ile Leu Val Ile Leu Ser Tyr Thr Leu Ile Ile Lys Thr Ile Leu
 210 215 220
 Lys Phe Pro Ser Ala Gln Gln Arg Lys Lys Ala Phe Ser Thr Cys Ser
 225 230 235 240
 Ser His Met Val Val Val Ser Ile Thr Tyr Gly Ser Cys Ile Phe Met
 245 250 255
 Tyr Ile Lys Thr Ser Ala Lys Glu Arg Val Ser Leu Asn Lys Gly Val
 260 265 270
 Ala Val Leu Asn Thr Ser Val Ala Pro Leu Leu Asn Pro Phe Ile Tyr
 275 280 285
 Thr Leu Arg Asn Gln Gln Val Lys Asp Ala Phe Lys Gln Val Leu Gln
 290 295 300
 Arg Leu Cys His Tyr Gln Thr Val Asn
 305 310

<210> 1884
 <211> 319
 <212> PRT
 <213> Mus musculus

<400> 1884

Met	Lys	Asn	Gln	Ser	Leu	Lys	Ile	Glu	Phe	Ile	Leu	Leu	Gly	Leu	Thr
1				5					10					15	
Asp	Asp	Pro	Gln	Leu	Gln	Ile	Pro	Ile	Phe	Leu	Phe	Leu	Phe	Phe	Asn
			20					25					30		
Tyr	Ile	Leu	Ser	Leu	Met	Gly	Asn	Tyr	Met	Ile	Ile	Phe	Leu	Thr	Leu
		35					40					45			
Leu	Asp	Pro	His	Leu	Lys	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Arg	Asn	Phe
	50					55					60				
Ser	Phe	Leu	Glu	Ile	Ala	Phe	Thr	Thr	Val	Cys	Ile	Pro	Arg	Phe	Leu
65					70					75					80
Ile	Ser	Ile	Leu	Ser	Gly	Asp	Arg	Thr	Ile	Ser	Tyr	Asn	Ala	Cys	Ala
				85					90					95	
Ala	Gln	Leu	Phe	Phe	Phe	Phe	Leu	Leu	Gly	Ser	Thr	Glu	Phe	Tyr	Leu
			100					105					110		
Leu	Ala	Ala	Met	Ser	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Arg	Pro	Leu
		115				120						125			
His	Tyr	Pro	Ile	Ile	Met	Asn	Ser	Lys	Val	Cys	His	Gln	Leu	Val	Leu
	130					135					140				
Ser	Ser	Trp	Val	Thr	Gly	Phe	Leu	Val	Val	Phe	Pro	Gly	Leu	Leu	Leu
145					150					155					160
Gly	Leu	Lys	Leu	Asp	Phe	Cys	Ala	Ser	Lys	Thr	Ile	Asp	His	Phe	Leu
				165					170					175	
Cys	Asp	Ser	Ser	Pro	Leu	Leu	Gln	Leu	Ser	Cys	Thr	Asp	Thr	His	Phe
			180					185					190		
Ile	Glu	Leu	Leu	Asp	Phe	Ala	Leu	Ala	Val	Met	Thr	Leu	Val	Ile	Thr
		195					200					205			
Leu	Ile	Leu	Val	Ile	Leu	Ser	Tyr	Thr	Leu	Ile	Ile	Lys	Thr	Ile	Leu
	210					215					220				
Lys	Phe	Pro	Ser	Ala	Gln	Arg	Arg	Lys	Ala	Phe	Ser	Thr	Cys	Thr	
225					230				235						240
Ser	His	Met	Val	Val	Val	Ser	Ile	Thr	Tyr	Gly	Ser	Cys	Ile	Phe	Met
				245					250					255	
Tyr	Met	Lys	Thr	Ser	Ala	Lys	Glu	Arg	Val	Thr	Leu	Asn	Lys	Gly	Val
			260					265					270		
Ala	Val	Leu	Asn	Thr	Ser	Val	Ala	Pro	Leu	Leu	Asn	Pro	Phe	Ile	Tyr
		275					280					285			
Thr	Leu	Arg	Asn	Gln	Gln	Val	Lys	Glu	Ala	Phe	Lys	His	Val	Leu	His
	290					295					300				
Arg	Phe	Cys	Ser	Leu	Gln	Asn	Ser	Glu	Thr	Arg	Phe	Arg	His	Lys	
305					310					315					

<210> 1885

<211> 311

<212> PRT

<213> Mus musculus

<400> 1885

Met	Asn	His	Thr	Glu	Ile	Thr	Glu	Phe	Ile	Leu	Leu	Gly	Leu	Ser	Asp
1				5					10					15	
Asp	Pro	Asp	Leu	Gln	Ile	Val	Ile	Phe	Leu	Phe	Leu	Leu	Ile	Thr	Tyr
			20					25					30		
Met	Leu	Ser	Val	Ile	Gly	Asn	Leu	Thr	Ile	Ile	Val	Leu	Thr	Phe	Ile
		35					40					45			
Asp	Thr	His	Leu	Gln	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Arg	Asn	Phe	Ala
	50					55					60				
Phe	Leu	Glu	Val	Ser	Phe	Thr	Ser	Val	Cys	Ile	Pro	Arg	Phe	Leu	Gly
65					70					75					80

Ser	Ile	Val	Thr	Arg	Asn	Lys	Thr	Ile	Ser	Tyr	Asn	Asn	Cys	Ala	Ala	
				85					90					95		
Gln	Leu	Phe	Phe	Phe	Ile	Phe	Met	Gly	Val	Cys	Glu	Phe	Tyr	Ile	Leu	
			100					105					110			
Thr	Ala	Met	Ser	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Lys	Pro	Leu	His	
		115					120					125				
Tyr	Thr	Thr	Ile	Met	Asn	Arg	Lys	Leu	Cys	Thr	Leu	Phe	Val	Leu	Cys	
	130					135					140					
Ala	Trp	Leu	Ala	Gly	Phe	Leu	Thr	Val	Phe	Pro	Pro	Leu	Met	Leu	Leu	
145					150				155						160	
Leu	Gln	Gln	Asp	Tyr	Cys	Ala	Ser	Asn	Val	Ile	Asp	His	Phe	Ala	Cys	
			165						170					175		
Asp	Phe	Phe	Pro	Leu	Leu	Gln	Leu	Ser	Cys	Ser	Asp	Thr	Leu	Phe	Leu	
			180					185					190			
Glu	Val	Ile	Gly	Phe	Tyr	Val	Ala	Leu	Val	Ala	Leu	Leu	Phe	Thr	Leu	
		195					200					205				
Ala	Leu	Val	Ile	Leu	Ser	Tyr	Met	Tyr	Ile	Ile	Arg	Thr	Ile	Leu	Arg	
	210					215					220					
Ile	Pro	Ser	Thr	Ser	Gln	Arg	Lys	Lys	Ala	Phe	Ser	Thr	Cys	Ser	Ser	
225					230					235					240	
His	Met	Ile	Val	Ile	Ser	Leu	Ser	Tyr	Gly	Ser	Cys	Ile	Phe	Met	Tyr	
				245					250					255		
Ala	Asn	Pro	Ser	Ala	Lys	Glu	Lys	Ala	Ser	Leu	Thr	Lys	Gly	Val	Ala	
			260					265					270			
Ile	Leu	Asn	Thr	Ser	Val	Val	Pro	Met	Leu	Asn	Pro	Phe	Ile	Tyr	Thr	
		275					280					285				
Leu	Arg	Asn	Gln	Gln	Val	Lys	Gln	Ala	Phe	Lys	Gly	Ala	Val	His	Lys	
	290					295					300					
Leu	Val	Phe	Ser	Val	Ser	Lys										
305					310											

<210> 1886

<211> 312

<212> PRT

<213> Mus musculus

<400> 1886

Met	Lys	Asn	His	Thr	Arg	Val	Thr	Val	Phe	Ile	Ile	Ala	Gly	Leu	Thr	
1				5					10					15		
Asp	Asp	Pro	Gln	Trp	Lys	Val	Val	Leu	Phe	Ile	Phe	Leu	Leu	Leu	Thr	
			20					25					30			
Tyr	Leu	Leu	Ser	Ile	Thr	Gly	Asn	Leu	Ala	Ile	Ile	Thr	Leu	Thr	Leu	
	35					40						45				
Val	Asp	Thr	His	Leu	Lys	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Arg	Asn	Phe	
	50					55					60					
Ser	Phe	Leu	Glu	Phe	Ser	Tyr	Thr	Thr	Thr	Cys	Ile	Pro	Lys	Leu	Leu	
65					70				75						80	
Val	Thr	Met	Ala	Thr	Gly	Asp	Lys	Thr	Ile	Ser	Tyr	Gly	Asn	Cys	Leu	
				85					90					95		
Thr	Gln	Val	Phe	Phe	Ala	Phe	Leu	Phe	Gly	Ala	Ser	Glu	Phe	Tyr	Leu	
			100					105					110			
Leu	Ala	Ala	Met	Ser	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Lys	Pro	Leu	
		115					120					125				
His	Tyr	Met	Thr	Ile	Met	Asn	Lys	Val	Cys	Val	Gln	Leu	Val	Leu		
	130					135					140					
Ser	Cys	Trp	Leu	Ala	Gly	Phe	Phe	Val	Ile	Phe	Pro	Pro	Leu	Leu	Leu	
145					150					155					160	
Gly	Leu	Asn	Leu	Asp	Phe	Cys	Ala	Ser	Asn	Ile	Val	Asp	His	Phe	Tyr	

				165				170						175		
Cys	Asp	Thr	Thr	Pro	Leu	Leu	Gln	Leu	Ser	Cys	Thr	Asp	Thr	Gln	Leu	
			180					185					190			
Leu	Glu	Thr	Met	Gly	Phe	Val	Ser	Ala	Leu	Val	Thr	Leu	Leu	Leu	Thr	
		195					200					205				
Leu	Val	Met	Val	Ile	Val	Ser	Tyr	Ile	Tyr	Ile	Ala	Ile	Thr	Ile	Leu	
	210					215					220					
Lys	Ile	Pro	Ser	Ala	Ser	Gln	Arg	Lys	Lys	Ala	Phe	Ser	Thr	Cys	Ser	
225					230					235					240	
Ser	His	Met	Ile	Val	Ile	Ser	Leu	Ser	Tyr	Gly	Ser	Cys	Ile	Phe	Met	
			245						250					255		
Tyr	Val	Lys	Pro	Ser	Val	Lys	Gln	Arg	Val	Ser	Ile	Ser	Lys	Gly	Ile	
		260						265					270			
Ser	Val	Leu	Asn	Thr	Ser	Val	Ala	Pro	Leu	Leu	Asn	Pro	Phe	Ile	Tyr	
		275					280					285				
Thr	Leu	Arg	Asn	Gln	Gln	Val	Lys	Lys	Ala	Phe	Ile	Asn	Thr	Val	His	
	290					295					300					
Arg	Ile	Val	Ser	Phe	Ser	Lys	Lys									
305					310											

<210> 1887

<211> 312

<212> PRT

<213> Mus musculus

<400> 1887

Met	Arg	Asn	His	Thr	Glu	Thr	Thr	Glu	Phe	Ile	Leu	Leu	Gly	Leu	Ser	
1			5					10					15			
Asp	Asp	Pro	Lys	Leu	Gln	Val	Val	Ile	Phe	Val	Phe	Leu	Phe	Ile	Thr	
		20						25				30				
Tyr	Thr	Leu	Ser	Ile	Thr	Gly	Asn	Leu	Thr	Ile	Ile	Thr	Leu	Thr	Leu	
		35				40					45					
Leu	Asp	Ser	His	Leu	Gln	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Arg	Asn	Phe	
	50				55					60						
Ala	Thr	Leu	Glu	Val	Ser	Phe	Thr	Thr	Val	Cys	Ile	Pro	Arg	Phe	Leu	
65					70				75						80	
Gly	Thr	Ile	Ile	Ser	Gly	Asp	Lys	Thr	Ile	Ser	Phe	Asn	Asn	Cys	Ile	
			85					90					95			
Ala	Gln	Leu	Phe	Phe	Leu	Ile	Leu	Phe	Gly	Val	Thr	Glu	Phe	Tyr	Leu	
		100						105				110				
Leu	Ala	Ala	Met	Ser	Tyr	Asp	Arg	Tyr	Ile	Ala	Ile	Cys	Lys	Pro	Leu	
		115				120						125				
His	Tyr	Leu	Thr	Ile	Met	Ser	Gln	Lys	Val	Cys	Lys	Met	Leu	Val	Phe	
	130				135						140					
Ala	Ser	Trp	Leu	Val	Ser	Phe	Leu	Ile	Ile	Phe	Pro	Ala	Leu	Met	Leu	
145					150					155					160	
Leu	Leu	Gln	Leu	Asp	Tyr	Cys	Val	Ser	Asn	Ile	Ile	Asp	His	Tyr	Thr	
			165					170						175		
Cys	Asp	Tyr	Phe	Pro	Leu	Leu	Gln	Leu	Ser	Cys	Ser	Asp	Thr	Lys	Phe	
			180					185					190			
Leu	Glu	Lys	Met	Gly	Phe	Ser	Cys	Ala	Val	Phe	Thr	Leu	Met	Phe	Thr	
		195					200					205				
Leu	Ala	Leu	Val	Phe	Trp	Ser	Tyr	Thr	Tyr	Ile	Ile	Arg	Thr	Ile	Val	
	210					215					220					
Lys	Ile	Pro	Ser	Ala	Ser	Gln	Arg	Ser	Lys	Ala	Phe	Ser	Thr	Cys	Ser	
225					230					235					240	
Ser	His	Met	Ile	Val	Ile	Ser	Ile	Ser	Tyr	Gly	Ser	Cys	Ile	Phe	Met	
			245					250						255		

Tyr	Ile	Lys	Pro	Ser	Ala	Ala	Asp	Arg	Ala	Ser	Leu	Thr	Lys	Gly	Val
			260					265					270		
Ala	Ile	Leu	Asn	Thr	Ser	Val	Ala	Pro	Met	Leu	Asn	Pro	Phe	Ile	Tyr
		275					280					285			
Ser	Leu	Arg	Asn	Gln	Gln	Val	Arg	Gln	Ala	Phe	Met	Asn	Met	Ala	Arg
	290					295					300				
Lys	Met	Val	Phe	Phe	Thr	Ser	Lys								
305					310										

<210> 1888

<211> 311

<212> PRT

<213> Mus musculus

<400> 1888

Met	Arg	Asn	His	Thr	Ile	Thr	Thr	Phe	Ile	Leu	Leu	Gly	Leu	Thr	Asp
1				5				10						15	
Asp	Pro	Gln	Leu	Lys	Thr	Leu	Ile	Phe	Ile	Phe	Leu	Phe	Leu	Ser	Tyr
			20					25					30		
Val	Leu	Ser	Met	Thr	Gly	Asn	Leu	Thr	Ile	Ile	Ser	Leu	Thr	Phe	Ile
		35				40						45			
Asp	Pro	His	Leu	Lys	Thr	Ala	Met	Tyr	Phe	Phe	Leu	Gln	Asn	Phe	Ser
	50					55					60				
Phe	Leu	Glu	Ile	Ser	Phe	Thr	Thr	Ala	Cys	Ile	Pro	Arg	Tyr	Leu	Tyr
65					70					75					80
Asn	Ile	Ser	Thr	Gly	Asp	Lys	Thr	Ile	Thr	Tyr	Asn	Asn	Cys	Ala	Ile
				85					90					95	
Gln	Ile	Phe	Cys	Val	Asp	Leu	Phe	Gly	Val	Thr	Glu	Phe	Phe	Leu	Leu
			100					105					110		
Ala	Ile	Met	Ser	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Lys	Pro	Leu	His
		115					120					125			
Tyr	Ser	Thr	Ile	Met	Ser	Ser	Arg	Ile	Cys	Thr	Arg	Leu	Ile	Leu	Cys
	130					135						140			
Cys	Trp	Ala	Ala	Gly	Leu	Phe	Val	Ile	Leu	Pro	Pro	Leu	Ser	Leu	Gly
145					150					155					160
Leu	Lys	Leu	Glu	Phe	Cys	Asp	Ser	Asn	Val	Ile	Asp	His	Phe	Val	Cys
				165					170					175	
Asp	Ala	Asn	Pro	Leu	Leu	Lys	Ile	Ser	Cys	Thr	Glu	Thr	Trp	Leu	Ile
			180					185						190	
Glu	Gln	Ile	Val	Ile	Val	Cys	Ala	Val	Phe	Thr	Phe	Ile	Met	Thr	Leu
		195					200					205			
Val	Cys	Val	Ser	Leu	Ser	Tyr	Ile	Tyr	Ile	Ile	Arg	Thr	Ile	Leu	Arg
	210					215					220				
Phe	Pro	Ser	Ala	Gln	Gln	Arg	Lys	Lys	Ala	Phe	Ser	Thr	Cys	Ser	Ser
225					230					235					240
His	Met	Ile	Val	Val	Ser	Ile	Thr	Tyr	Gly	Ser	Cys	Ile	Phe	Ile	Tyr
				245					250					255	
Ile	Lys	Pro	Ser	Ala	Lys	Asp	Ser	Val	Thr	Ile	Asn	Lys	Gly	Val	Thr
			260					265					270		
Ile	Leu	Thr	Thr	Ser	Ile	Ala	Pro	Met	Leu	Asn	Pro	Phe	Ile	Tyr	Thr
		275					280					285			
Leu	Arg	Asn	Lys	Gln	Val	Lys	Gln	Ala	Phe	Asn	Asp	Ser	Val	Lys	Arg
	290					295					300				
Ile	Val	Leu	Phe	Phe	Gln	Lys									
305					310										

<210> 1889

<211> 317
 <212> PRT
 <213> Mus musculus

<400> 1889

Met	Lys	Asn	Asn	Thr	Ile	Thr	Thr	Phe	Ile	Leu	Leu	Gly	Leu	Thr	Asp
1				5					10					15	
Asp	Pro	Gln	Leu	Gln	Ile	Pro	Ile	Phe	Val	Phe	Leu	Phe	Phe	Ala	Tyr
		20						25					30		
Met	Leu	Ser	Ile	Thr	Gly	Asn	Leu	Thr	Ile	Ile	Ser	Leu	Thr	Ile	Leu
		35				40						45			
Asp	Ser	His	Leu	Lys	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Gln	Asn	Phe	Ser
	50					55					60				
Ile	Leu	Glu	Ile	Ser	Phe	Thr	Ser	Ala	Cys	Ile	Pro	Arg	Tyr	Leu	Tyr
65					70				75					80	
Asn	Ile	Ala	Thr	Gly	Asp	Arg	Ser	Ile	Thr	Tyr	Asn	Val	Cys	Val	Ile
				85					90					95	
Gln	Val	Phe	Phe	Thr	Asp	Val	Phe	Gly	Val	Ile	Glu	Phe	Phe	Leu	Leu
			100					105					110		
Ala	Ile	Met	Ser	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Lys	Pro	Leu	His
		115					120					125			
Tyr	Val	Thr	Ile	Met	Ser	Ser	Lys	Val	Cys	Gln	Thr	Leu	Val	Leu	Cys
	130					135					140				
Cys	Trp	Ser	Ala	Gly	Leu	Leu	Ile	Ile	Leu	Pro	Pro	Leu	Thr	Leu	Phe
145				150					155						160
Leu	Asn	Leu	Arg	Phe	Cys	Asp	Ser	Asn	Val	Ile	Asp	Tyr	Phe	Phe	Cys
				165					170					175	
Asp	Ala	Ser	Pro	Ile	Leu	Lys	Ile	Ser	Cys	Ser	Asp	Thr	Trp	Leu	Ile
		180						185					190		
Glu	Gln	Leu	Val	Ile	Val	Cys	Ala	Val	Leu	Thr	Phe	Ile	Leu	Thr	Leu
		195					200					205			
Val	Cys	Val	Thr	Leu	Ser	Tyr	Val	His	Ile	Ile	Lys	Thr	Ile	Leu	Arg
	210					215					220				
Phe	Pro	Ser	Ala	Gln	Gln	Arg	Lys	Lys	Ala	Phe	Ser	Thr	Cys	Ser	Ser
225				230					235						240
His	Met	Ile	Val	Val	Ser	Ile	Thr	Tyr	Gly	Ser	Cys	Ile	Phe	Ile	Tyr
				245					250					255	
Ile	Asn	Pro	Ser	Ala	Lys	Glu	Ser	Val	Ala	Ile	Asn	Lys	Gly	Val	Ala
			260					265					270		
Val	Leu	Met	Thr	Ser	Ile	Ala	Pro	Met	Leu	Asn	Pro	Phe	Ile	Tyr	Thr
		275					280					285			
Leu	Arg	Asn	Lys	Gln	Val	Arg	Gln	Ala	Phe	Ser	Asp	Ser	Phe	Lys	Lys
	290					295					300				
Ile	Ala	Ile	Ile	Ser	Met	Lys	Lys	Glu	Asn	Val	Gln	Ile			
305					310					315					

<210> 1890
 <211> 312
 <212> PRT
 <213> Mus musculus

<400> 1890

Met	Arg	Asn	His	Ser	Met	Val	Thr	Glu	Phe	Leu	Leu	Ser	Gly	Ile	Ser
1				5					10					15	
Asp	Thr	Pro	Glu	Val	Gln	Val	Val	Ile	Phe	Ile	Leu	Leu	Phe	Ile	Ala
			20					25					30		
Tyr	Ile	Leu	Ser	Val	Thr	Gly	Asn	Leu	Thr	Ile	Ile	Thr	Leu	Thr	Leu
		35					40					45			

Leu	Asp	Ser	Gln	Leu	Lys	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Gln	Asn	Phe
	50					55					60				
Ser	Phe	Leu	Glu	Ile	Ile	Phe	Thr	Ser	Val	Ser	Val	Pro	Arg	Phe	Leu
65					70					75					80
Gly	Ser	Ile	Ile	Thr	Glu	Val	Lys	Thr	Ile	Ser	Tyr	Asn	Asn	Cys	Leu
				85					90					95	
Thr	Gln	Leu	Tyr	Phe	Phe	Leu	Ser	Leu	Gly	Val	Ser	Glu	Phe	Phe	Leu
			100					105					110		
Leu	Thr	Ala	Met	Ser	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Lys	Pro	Leu
		115					120					125			
His	Tyr	Val	Ile	Ile	Met	Asn	Gln	Lys	Val	Cys	Thr	Leu	Leu	Val	Leu
	130					135					140				
Thr	Ser	Trp	Leu	Ile	Gly	Phe	Leu	Ser	Ile	Phe	Pro	Leu	Ile	Met	Leu
145					150					155					160
Ile	His	Lys	Leu	Asp	Phe	Cys	Ala	Ser	Asn	Thr	Ile	Asp	His	Phe	Cys
				165					170					175	
Cys	Asp	Tyr	Phe	Pro	Ile	Leu	Gln	Leu	Ser	Cys	Ser	Asp	Thr	Arg	Leu
			180					185					190		
Leu	Glu	Ala	Phe	Gly	Phe	Tyr	Cys	Ala	Ser	Ile	Thr	Leu	Leu	Phe	Thr
		195					200					205			
Leu	Ala	Leu	Val	Ile	Leu	Ser	Tyr	Ile	Cys	Ile	Ile	Asn	Thr	Ile	Leu
	210					215					220				
Arg	Phe	Pro	Ser	Ala	Ser	Gln	Arg	Lys	Lys	Ala	Phe	Ser	Thr	Cys	Ser
225					230					235					240
Ser	His	Met	Ile	Val	Ile	Ser	Ile	Ser	Tyr	Gly	Ser	Cys	Ile	Phe	Met
				245					250					255	
Tyr	Val	Lys	Pro	Ser	Ala	Asn	Glu	Arg	Ala	Ser	Leu	Thr	Lys	Gly	Val
			260					265					270		
Ala	Val	Leu	Asn	Thr	Ser	Ile	Ala	Pro	Met	Leu	Asn	Pro	Phe	Ile	Tyr
	275						280					285			
Thr	Leu	Arg	Asn	Gln	Gln	Val	Lys	Gln	Ala	Phe	Lys	Asp	Phe	Ile	Asn
	290					295					300				
Lys	Val	Met	Phe	Asn	Arg	Asn	Lys								
305					310										

<210> 1891

<211> 312

<212> PRT

<213> Mus musculus

<400> 1891

Met	Arg	Asn	His	Ser	Met	Val	Thr	Glu	Phe	Val	Leu	Leu	Gly	Ile	Ser
1				5					10					15	
Asp	Thr	Pro	Glu	Val	Gln	Val	Val	Ile	Phe	Ile	Leu	Leu	Phe	Ile	Ala
			20					25					30		
Tyr	Ile	Leu	Ser	Val	Thr	Gly	Asn	Leu	Thr	Ile	Ile	Thr	Leu	Thr	Leu
		35					40					45			
Leu	Asp	Ser	Gln	Leu	Lys	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Gln	Asn	Phe
	50					55					60				
Ser	Phe	Leu	Glu	Ile	Ile	Phe	Thr	Ser	Val	Ser	Ile	Pro	Arg	Phe	Leu
65					70					75					80
Glu	Ser	Ile	Ile	Thr	Lys	Val	Lys	Thr	Ile	Ser	Tyr	Asn	Asn	Cys	Leu
				85					90					95	
Thr	Gln	Leu	Tyr	Phe	Phe	Leu	Ser	Leu	Gly	Val	Ser	Glu	Phe	Phe	Leu
			100					105					110		
Leu	Thr	Ala	Met	Ser	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Lys	Pro	Leu
		115					120					125			
His	Tyr	Val	Ile	Ile	Met	Asn	Gln	Lys	Val	Cys	Thr	Leu	Leu	Val	Leu

130		135		140
Thr Ser Trp Leu Ile Gly	Phe Leu Ser Ile Phe	Pro Leu Ile Met Leu		
145	150	155	160	
Ile His Lys Leu Asp Phe	Cys Ala Ser Asn Thr	Ile Asp His Phe Cys		
	165	170	175	
Cys Asp Tyr Phe Pro Ile	Leu Gln Leu Ser Cys	Ser Asp Thr Arg Leu		
	180	185	190	
Leu Glu Ala Phe Gly Leu	Tyr Cys Ala Ser Ile	Thr Leu Leu Phe Thr		
	195	200	205	
Leu Ala Leu Val Ile Leu	Ser Tyr Ile Cys Ile	Ile Asn Thr Ile Leu		
	210	215	220	
Arg Phe Pro Ser Ala Ser	Gln Arg Lys Lys Ala	Phe Ser Thr Cys Ser		
225	230	235	240	
Ser His Met Ile Val Ile	Ser Ile Ser Tyr Gly	Ser Cys Ile Phe Met		
	245	250	255	
Tyr Val Lys Pro Ser Ala	Asn Glu Arg Ala Ser	Leu Thr Lys Gly Val		
	260	265	270	
Ala Val Leu Asn Thr Ser	Ile Ala Pro Met Leu	Asn Pro Phe Ile Tyr		
	275	280	285	
Thr Leu Arg Asn Gln Gln	Val Lys Gln Ala Phe	Lys Asp Leu Ile Asn		
	290	295	300	
Lys Leu Met Phe Asn Arg	Asn Lys			
305	310			

<210> 1892
 <211> 311
 <212> PRT
 <213> Mus musculus

<400> 1892

Met Arg Asn His Thr Val	Thr Thr Phe Ile Leu	Leu Gly Leu Thr Asp
1	5	10
Asp Pro Gln Leu Lys Thr	Leu Ile Phe Ile Phe	Leu Phe Leu Ser Tyr
	20	25
Met Leu Ser Met Thr Gly	Asn Leu Thr Ile Ile	Ser Leu Thr Phe Ile
	35	40
Asp Ser His Leu Lys Thr	Ala Met Tyr Phe Phe	Leu Gln Asn Phe Ser
	50	55
Phe Leu Glu Ile Ser Phe	Thr Thr Ala Cys Ile	Pro Arg Tyr Leu Tyr
	65	70
Asn Ile Ser Thr Gly Asp	Lys Thr Ile Thr Tyr	Asn Asn Cys Val Ile
	85	90
Gln Ile Phe Cys Thr Asp	Leu Phe Gly Val Thr	Glu Phe Phe Leu Leu
	100	105
Ala Ile Met Ser Tyr Asp	Arg Tyr Val Ala Ile	Cys Lys Pro Leu His
	115	120
Tyr Ser Thr Ile Met Ser	Ser Arg Ile Cys Ala	Arg Leu Ile Leu Ser
	130	135
Cys Trp Ala Ala Gly Leu	Phe Val Ile Leu Pro	Pro Leu Ser Leu Gly
	145	150
Leu Lys Leu Lys Phe Cys	Asp Ser Asn Val Ile	Asp His Phe Val Cys
	165	170
Asp Ala Asn Pro Leu Leu	Lys Ile Ser Cys Thr	Glu Thr Trp Leu Ile
	180	185
Glu Gln Ile Val Ile Val	Ser Ala Val Leu Thr	Phe Ile Thr Thr Leu
	195	200
Leu Cys Val Ser Leu Ser	Tyr Ile Tyr Ile Ile	Arg Thr Ile Leu Arg
	210	215
		220

Phe	Pro	Ser	Ala	Gln	Gln	Arg	Lys	Lys	Ala	Phe	Ser	Thr	Cys	Ser	Ser
225					230					235					240
His	Met	Ile	Val	Val	Ser	Ile	Thr	Tyr	Gly	Ser	Cys	Ile	Phe	Ile	Tyr
				245					250					255	
Ile	Lys	Pro	Ser	Ala	Lys	Asp	Ser	Val	Thr	Ile	Asn	Lys	Gly	Val	Met
			260					265					270		
Val	Leu	Thr	Thr	Ser	Ile	Ala	Pro	Met	Leu	Asn	Pro	Phe	Ile	Tyr	Thr
		275					280					285			
Leu	Arg	Asn	Lys	Gln	Val	Lys	Gln	Ala	Phe	Asn	Asp	Ser	Val	Lys	Arg
	290					295					300				
Ile	Ala	Leu	Phe	Phe	Gln	Lys									
305					310										

<210> 1893

<211> 313

<212> PRT

<213> Mus musculus

<400> 1893

Met	Ser	Val	Ala	Asn	Glu	Ser	Ile	Ser	Arg	Glu	Phe	Ile	Leu	Leu	Gly
1				5					10					15	
Phe	Ser	Asp	Arg	Pro	Trp	Leu	Glu	Leu	Pro	Leu	Phe	Val	Val	Phe	Leu
			20					25					30		
Val	Ser	Tyr	Ile	Leu	Thr	Ile	Phe	Gly	Asn	Met	Met	Ile	Ile	Leu	Val
		35					40					45			
Ser	Arg	Leu	Asp	Ser	Lys	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Thr
	50					55					60				
Asn	Leu	Ser	Leu	Leu	Asp	Leu	Cys	Tyr	Thr	Thr	Ser	Thr	Val	Pro	Gln
65					70					75					80
Met	Leu	Ile	Asn	Ile	Cys	Ser	Thr	Arg	Lys	Val	Ile	Ser	Tyr	Gly	Gly
				85					90					95	
Cys	Val	Ala	Gln	Leu	Phe	Ile	Phe	Leu	Ala	Leu	Gly	Cys	Thr	Glu	Cys
			100					105					110		
Phe	Leu	Leu	Gly	Val	Met	Ser	Phe	Asp	Arg	Phe	Val	Ala	Ile	Cys	Arg
		115					120					125			
Pro	Leu	His	Tyr	Ser	Val	Ile	Met	His	Gln	Arg	Arg	Cys	Leu	Gln	Leu
	130					135					140				
Ala	Ala	Ala	Cys	Trp	Ile	Ser	Gly	Phe	Ser	Asn	Ser	Val	Leu	Gln	Ser
145					150					155					160
Thr	Trp	Thr	Leu	Gln	Met	Pro	Leu	Cys	Gly	His	Asn	Arg	Val	Asp	His
				165					170					175	
Phe	Leu	Cys	Glu	Ile	Pro	Ala	Leu	Leu	Lys	Leu	Ser	Cys	Val	Asp	Thr
			180					185					190		
Thr	Ala	Ile	Glu	Ser	Glu	Gln	Phe	Phe	Ile	Ser	Val	Val	Phe	Leu	Leu
		195					200					205			
Ile	Pro	Val	Thr	Leu	Ile	Leu	Ile	Ser	Tyr	Ala	Phe	Ile	Val	Gln	Ala
	210					215					220				
Val	Leu	Arg	Ile	Arg	Ser	Ala	Glu	Gly	Arg	Arg	Lys	Ala	Phe	Gly	Thr
225					230					235					240
Cys	Gly	Ser	His	Leu	Ile	Val	Val	Val	Leu	Phe	Tyr	Gly	Thr	Ala	Ile
			245						250					255	
Tyr	Met	Tyr	Leu	Gln	Pro	Pro	Ser	Pro	Thr	Ser	Lys	Asp	Arg	Gly	Lys
			260					265					270		
Met	Val	Ser	Leu	Phe	Tyr	Gly	Ile	Ile	Thr	Pro	Met	Leu	Asn	Pro	Leu
		275					280					285			
Ile	Tyr	Thr	Leu	Arg	Asn	Lys	Glu	Val	Lys	Gly	Ala	Phe	Lys	Arg	Leu
	290					295					300				
Val	Thr	Arg	Ile	Ile	Leu	Ser	Arg	Lys							

305

310

<210> 1894

<211> 313

<212> PRT

<213> Mus musculus

<400> 1894

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Met Ser Trp Ala Asn Glu Ser Ile Thr Gly Glu Phe Val Leu Leu Gly
 1          5          10          15
Phe Ser Asp Gln Pro Trp Leu Glu Phe Pro Leu Phe Val Val Phe Leu
 20          25          30
Thr Ser Tyr Ile Val Thr Ile Phe Gly Asn Leu Asn Ile Ile Leu Val
 35          40          45
Ser His Leu Asp Pro Lys Leu His Thr Pro Met Tyr Phe Phe Leu Thr
 50          55          60
Asn Leu Ser Val Ile Asp Leu Cys Tyr Ile Thr Cys Thr Val Pro Gln
 65          70          75          80
Met Leu Val Asn Leu Arg Ser Ile Arg Lys Val Ile Ser Phe Gly Gly
 85          90          95
Cys Val Val Gln Leu Phe Met Phe Leu Ala Leu Gly Ala Thr Glu Cys
 100          105          110
Val Leu Leu Pro Val Met Ser Phe Asp Arg Phe Val Ala Ile Cys Arg
 115          120          125
Pro Leu His Tyr Ser Val Ile Met His Gln Arg Leu Cys Leu Gln Leu
 130          135          140
Ala Ala Val Ser Trp Ile Ile Gly Phe Gly Asn Ser Val Trp Leu Ser
 145          150          155          160
Ile Leu Thr Leu Gln Leu Pro Arg Cys Gly His Tyr Val Ile Asp His
 165          170          175
Phe Leu Cys Glu Val Pro Ala Leu Leu Lys Leu Ser Cys Val Asp Val
 180          185          190
Thr Ala Asn Glu Ala Glu Leu Phe Phe Val Ser Val Phe Phe His Leu
 195          200          205
Thr Pro Leu Ser Leu Ile Leu Thr Ser Tyr Ala Phe Ile Ala Arg Ala
 210          215          220
Ile Leu Lys Ile Gln Ser Ala Glu Gly Arg Gln Lys Ala Phe Gly Thr
 225          230          235          240
Cys Ser Ser His Leu Ile Val Val Ser Leu Phe Tyr Gly Thr Ala Leu
 245          250          255
Ser Val Tyr Leu Leu Pro Pro Ser Pro His Ser Lys Asn Arg Arg Lys
 260          265          270
Met Val Pro Leu Phe Tyr Gly Ile Ile Ala Pro Met Leu Asn Pro Leu
 275          280          285
Ile Tyr Thr Leu Arg Asn Lys Glu Val Lys Asp Ala Phe Lys Arg Leu
 290          295          300
Ile Lys Arg Val Phe Leu Ser Lys Asn
305          310

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<210> 1895

<211> 317

<212> PRT

<213> Mus musculus

<400> 1895

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Met Trp Leu Gln Val Met Glu Lys Glu Asn Thr Ser Ser Phe Glu Gly
 1          5          10          15

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Phe	Ile	Leu	Val	Gly	Phe	Ser	Asp	Arg	Pro	His	Leu	Glu	Leu	Ile	Leu
			20					25					30		
Phe	Val	Val	Val	Leu	Ser	Phe	Tyr	Leu	Leu	Thr	Leu	Leu	Gly	Asn	Met
		35					40					45			
Thr	Ile	Ile	Leu	Leu	Ser	Ala	Leu	Asp	Ser	Arg	Leu	His	Thr	Pro	Met
	50					55					60				
Tyr	Phe	Phe	Leu	Ala	Asn	Leu	Ser	Phe	Leu	Asp	Met	Cys	Phe	Thr	Thr
65					70					75					80
Gly	Ser	Ile	Pro	Gln	Met	Leu	Tyr	Asn	Leu	Trp	Gly	Pro	Asp	Lys	Thr
				85					90					95	
Ile	Ser	Tyr	Val	Gly	Cys	Ala	Ile	Gln	Leu	Tyr	Phe	Val	Leu	Ala	Leu
			100					105					110		
Gly	Gly	Val	Glu	Cys	Val	Leu	Leu	Ala	Val	Met	Ala	Tyr	Asp	Arg	Tyr
		115					120					125			
Ala	Ala	Val	Cys	Lys	Pro	Leu	His	Tyr	Thr	Val	Ile	Met	His	Pro	Arg
		130				135					140				
Leu	Cys	Gly	Gln	Leu	Ala	Ser	Val	Ala	Trp	Leu	Ser	Gly	Phe	Gly	Asn
145					150					155					160
Ser	Leu	Ile	Met	Ala	Pro	Gln	Thr	Leu	Met	Leu	Pro	Arg	Cys	Gly	His
				165					170					175	
Arg	Arg	Val	Asp	His	Phe	Leu	Cys	Glu	Met	Pro	Ala	Leu	Ile	Gly	Met
			180					185					190		
Ala	Cys	Val	Asp	Thr	Met	Ala	Leu	Glu	Ala	Leu	Ala	Phe	Ala	Leu	Ala
		195					200					205			
Ile	Phe	Ile	Ile	Leu	Ala	Pro	Leu	Ile	Leu	Ile	Leu	Ile	Ser	Tyr	Gly
	210					215					220				
Tyr	Ile	Ala	Arg	Ala	Val	Phe	Arg	Ile	Lys	Ser	Ala	Ala	Gly	Arg	Arg
225					230					235					240
Lys	Ala	Phe	Asn	Thr	Cys	Ser	Ser	His	Leu	Ile	Val	Val	Ser	Leu	Phe
				245					250					255	
Tyr	Gly	Thr	Ile	Ile	Tyr	Met	Tyr	Leu	Gln	Pro	Ala	Asn	Thr	Tyr	Ser
			260					265					270		
Gln	Asp	Gln	Gly	Lys	Phe	Leu	Thr	Leu	Phe	Tyr	Thr	Ile	Val	Thr	Pro
		275					280					285			
Ser	Val	Asn	Pro	Leu	Ile	Tyr	Thr	Leu	Arg	Asn	Lys	Asp	Val	Lys	Glu
	290					295					300				
Ala	Val	Lys	Lys	Val	Leu	Gly	Lys	Gly	Ser	Ile	Glu	Val			
305					310					315					

<210> 1896

<211> 314

<212> PRT

<213> Mus musculus

<400> 1896

Met	His	Ala	Leu	Thr	Val	Asn	Ala	Met	Ile	Asn	Gln	Ser	Cys	Gln	Glu
1				5					10					15	
Gln	Phe	Ile	Leu	Leu	Gly	Phe	Ser	Asp	Arg	Pro	Arg	Leu	Glu	Ser	Ile
			20					25					30		
Leu	Phe	Val	Phe	Val	Leu	Ile	Phe	Tyr	Leu	Val	Thr	Leu	Val	Gly	Asn
		35					40				45				
Ile	Ile	Ile	Ile	Leu	Val	Ser	Tyr	Leu	Asp	Pro	Cys	Leu	His	Thr	Pro
	50					55				60					
Met	Tyr	Phe	Phe	Leu	Thr	Asn	Leu	Ser	Phe	Leu	Asp	Leu	Cys	Phe	Thr
65					70					75					80
Thr	Ser	Ser	Ile	Pro	Gln	Leu	Leu	Phe	Asn	Leu	Gly	Gly	Gln	Asp	Lys
				85					90					95	
Ser	Ile	Ser	Tyr	Ile	Gly	Cys	Ala	Val	Gln	Leu	Phe	Met	Phe	Leu	Gly

Ser	Ala	Tyr	Glu	Leu	Ala	Leu	Ser	Ile	Ser	Gly	Val	Leu	Ile	Leu	Leu
	195						200					205			
Leu	Pro	Leu	Ser	Leu	Ile	Phe	Ile	Ser	Tyr	Gly	His	Val	Leu	Gly	Ala
	210					215					220				
Val	Leu	Leu	Met	Arg	Ser	Ala	Glu	Ala	Arg	His	Lys	Ala	Phe	Thr	Thr
	225				230					235					240
Cys	Ser	Ser	His	Val	Thr	Val	Val	Gly	Leu	Phe	Phe	Gly	Ala	Ala	Val
			245						250						255
Phe	Ile	Tyr	Met	Val	Pro	Gly	Ser	Tyr	His	Ser	Pro	Lys	Gln	Asp	Asn
			260					265					270		
Val	Val	Ser	Leu	Phe	Tyr	Ser	Leu	Ile	Thr	Pro	Thr	Leu	Asn	Pro	Leu
		275					280					285			
Ile	Tyr	Ser	Leu	Arg	Asn	Arg	Glu	Val	Arg	Met	Ser	Leu	Gly	Gln	Gly
	290				295						300				
Tyr	Gly	Gln	Val												
305															

<210> 1898

<211> 309

<212> PRT

<213> Mus musculus

<400> 1898

Met	Lys	Thr	Pro	Ser	Asn	Ser	Thr	Glu	Ala	Asp	Phe	Ile	Leu	Leu	Gly
1				5					10					15	
Leu	Phe	Ser	His	Thr	His	Ala	His	Ser	Leu	Leu	Leu	Ser	Val	Val	Leu
			20					25					30		
Val	Ile	Phe	Thr	Ala	Ser	Leu	Met	Gly	Asn	Thr	Leu	Met	Ile	Leu	Leu
		35					40					45			
Ile	Cys	Arg	Asp	Pro	Arg	Leu	His	Thr	Pro	Met	Tyr	Phe	Leu	Leu	Ser
	50					55					60				
Gln	Leu	Ser	Leu	Met	Asp	Met	Met	Leu	Val	Ser	Thr	Ile	Val	Pro	Lys
	65				70					75					80
Met	Ala	Ala	Asn	Tyr	Leu	Thr	Ser	Thr	Arg	Ser	Ile	Ser	Pro	Ala	Gly
			85						90					95	
Cys	Gly	Ser	Gln	Ile	Phe	Leu	Phe	Leu	Thr	Leu	Ala	Gly	Gly	Glu	Cys
			100					105					110		
Phe	Leu	Leu	Ala	Ala	Met	Ser	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Phe
		115					120					125			
Pro	Leu	Arg	Tyr	His	Val	Leu	Met	Asn	Pro	Lys	Leu	Cys	Ala	Tyr	Leu
		130				135					140				
Thr	Val	Gly	Ser	Trp	Leu	Leu	Gly	Ala	Ala	Asp	Gly	Leu	Met	Gln	Ala
	145				150					155					160
Gly	Thr	Ile	Leu	Ser	Phe	Pro	Phe	Cys	His	Ser	Arg	Thr	Ile	Asn	His
			165						170					175	
Phe	Phe	Cys	Glu	Ala	Pro	Ser	Leu	Val	Arg	Leu	Ala	Cys	Ala	Asp	Thr
			180					185					190		
Lys	Val	Phe	Glu	Phe	Phe	Met	Tyr	Ile	Cys	Cys	Ile	Leu	Met	Leu	Leu
		195					200					205			
Ile	Pro	Leu	Ser	Leu	Val	Leu	Ala	Ser	Tyr	Ser	Leu	Ile	Leu	Ala	Thr
	210					215					220				
Val	Leu	Arg	Met	Arg	Ser	Ser	Ala	Ala	Arg	Lys	Lys	Ala	Phe	Thr	Thr
	225				230					235					240
Cys	Ser	Ser	His	Leu	Ala	Val	Val	Gly	Leu	Phe	Tyr	Gly	Ala	Ile	Ile
			245						250					255	
Phe	Ile	Tyr	Met	Arg	Pro	Lys	Ser	His	Gln	Pro	Gly	Lys	Ser	Asp	Lys
			260					265					270		
Val	Val	Ser	Ala	Phe	Tyr	Thr	Ile	Phe	Thr	Pro	Val	Leu	Asn	Pro	Leu

	275		280		285
Ile	Tyr Ser Val Arg Asn Lys	Glu Val Lys Gly Ala	Leu Arg Lys Trp		
	290	295	300		
Leu	Gln Lys Thr Val				
305					

<210> 1899
 <211> 308
 <212> PRT
 <213> Mus musculus

<400> 1899

Met	Ser	Asn	His	Thr	Arg	Val	Thr	His	Phe	Ile	Leu	Arg	Gly	Phe	Ser
1			5						10					15	
Asp	Val	Pro	Gln	Leu	Arg	Leu	Val	Leu	Ile	Pro	Phe	Phe	Leu	Leu	Phe
		20						25					30		
Tyr	Thr	Phe	Gly	Ile	Leu	Gly	Asn	Phe	Ser	Ile	Ile	Thr	Ala	Val	Ile
		35					40					45			
Arg	Asp	Ser	Arg	Leu	His	Ser	Pro	Met	Tyr	Phe	Phe	Leu	Lys	Asn	Leu
	50					55					60				
Ser	Phe	Leu	Asp	Ile	Cys	Tyr	Thr	Ser	Ala	Thr	Ile	Pro	Lys	Ala	Val
65				70						75					80
Val	Ile	Ser	Leu	Thr	Gly	Ser	Gly	Val	Ile	Ser	Tyr	Gln	Glu	Cys	Val
			85						90					95	
Ala	Gln	Leu	Tyr	Met	Phe	Ile	Thr	Leu	Cys	Gly	Thr	Glu	Cys	Phe	Leu
			100					105					110		
Leu	Thr	Ala	Met	Ala	Tyr	Asp	Arg	Cys	Leu	Ala	Ile	Leu	Arg	Pro	Leu
		115					120					125			
Ile	Tyr	Gly	Thr	Ile	Met	Ser	His	Lys	Tyr	Cys	Ser	Ala	Leu	Val	Val
	130					135						140			
Thr	Ala	Trp	Val	Gly	Gly	Ala	Ile	Tyr	Ser	Ala	Phe	His	Thr	Phe	Asn
145					150					155					160
Thr	Phe	Ser	Leu	Pro	Tyr	Cys	Gly	Pro	Asn	Val	Val	Asp	His	Phe	Phe
				165					170					175	
Cys	Asp	Met	Pro	Pro	Val	Met	Arg	Leu	Ser	Cys	Thr	Asp	Tyr	His	Leu
		180						185					190		
Asn	Glu	Glu	Val	Gly	Phe	Ala	Val	Ile	Gly	Cys	Ile	Ile	Met	Ser	Ser
		195						200					205		
Phe	Ala	Leu	Thr	Val	Val	Ser	Tyr	Ile	Gly	Ile	Val	Ala	Thr	Val	Leu
	210					215					220				
Arg	Ile	Pro	Ser	Val	Glu	Gly	Arg	Trp	Lys	Ala	Phe	Ser	Thr	Cys	Ser
225					230					235					240
Ser	His	Leu	Thr	Thr	Val	Ile	Leu	Phe	Tyr	Gly	Thr	Gly	Ser	Phe	Val
				245					250					255	
Tyr	Leu	Arg	Pro	Ala	Ser	Gln	Tyr	Ser	Pro	Thr	Leu	Asp	Pro	Leu	Ala
			260					265					270		
Ser	Ile	Phe	Tyr	Ser	Val	Val	Thr	Pro	Ser	Leu	Asn	Pro	Val	Ile	Tyr
		275					280					285			
Cys	Leu	Arg	Asn	Lys	Asp	Met	Lys	Phe	Ala	Leu	Gln	Lys	Leu	Tyr	Cys
	290					295					300				
Gly	Arg	Lys	Tyr												
305															

<210> 1900
 <211> 308
 <212> PRT
 <213> Mus musculus

<400> 1900

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Met Ser Asn His Thr Arg Val Thr His Phe Ile Leu Arg Gly Phe Ser
 1          5          10          15
Asp Val Pro Gln Leu Arg Leu Met Ala Ile Pro Val Phe Leu Leu Ile
          20          25          30
Tyr Thr Phe Gly Leu Leu Gly Asn Leu Ser Ile Ile Thr Ala Val Thr
          35          40          45
Arg Asp Ser Arg Leu His Ser Pro Met Tyr Phe Phe Leu Lys Asn Leu
          50          55          60
Ser Phe Leu Asp Ile Cys Tyr Thr Ser Ala Thr Ile Pro Lys Ala Val
65          70          75          80
Val Ile Ser Leu Thr Gly Ser Gly Val Ile Ser Tyr Gln Glu Cys Ala
          85          90          95
Ala Gln Leu Tyr Ile Phe Leu Thr Phe Ser Ser Ser Glu Cys Phe Leu
          100          105          110
Leu Thr Ala Met Ala Tyr Asp Arg Cys Leu Ala Ile Leu Arg Pro Leu
          115          120          125
Leu Tyr Gly Thr Ile Met Ser Gln Lys Tyr Cys Ser Ala Leu Val Val
          130          135          140
Thr Ala Trp Val Gly Gly Ala Ile Tyr Ser Ala Phe His Thr Phe Asn
145          150          155          160
Thr Phe Ser Leu Pro Tyr Cys Gly Pro Asn Val Ile Asp His Phe Phe
          165          170          175
Cys Asp Ile Pro Pro Val Met Arg Leu Ser Cys Thr Asp Tyr His Leu
          180          185          190
Ser Glu Glu Val Gly Phe Ala Val Ser Ser Cys Ile Val Met Ser Ser
          195          200          205
Phe Ala Leu Thr Val Val Ser Tyr Ile Gly Ile Val Ala Thr Val Leu
          210          215          220
Arg Ile Pro Ser Val Glu Gly Arg Trp Lys Ala Phe Ser Thr Cys Ser
225          230          235          240
Ser His Leu Thr Thr Val Ile Leu Phe Tyr Gly Thr Gly Ser Phe Val
          245          250          255
Tyr Leu Arg Pro Ala Ser Gln Tyr Ser Pro Thr Leu Gly Arg Leu Ala
          260          265          270
Ser Ile Phe Tyr Ser Val Val Thr Pro Ser Leu Asn Pro Val Val Tyr
          275          280          285
Cys Leu Arg Asn Lys Asp Met Lys Phe Ala Leu Gln Lys Leu Tyr Cys
          290          295          300
Gly Arg Lys Tyr
305
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<210> 1901

<211> 316

<212> PRT

<213> Mus musculus

<400> 1901

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Met Asn Leu Gly Asn Glu Ser Ala Pro Lys Ile Phe Ile Leu Leu Gly
 1          5          10          15
Phe Ser Ser His Pro Trp Leu Glu Met Pro Leu Phe Ile Met Val Leu
          20          25          30
Val Ala Tyr Val Cys Thr Val Leu Gly Asn Ile Ser Ile Ile Val Val
          35          40          45
Ser Arg Arg Asp Pro Gln Leu Asp Ser Pro Met Tyr Phe Phe Leu Ser
          50          55          60
Asn Leu Ser Phe Leu Asp Leu Cys Phe Thr Thr Thr Thr Ile Pro Gln
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65					70					75					80
Leu	Leu	Arg	Asn	Leu	Trp	Gly	Pro	Asp	Lys	Ser	Ile	Ser	Tyr	Gly	Gly
				85					90					95	
Cys	Val	Thr	Gln	Phe	Tyr	Ile	Phe	His	Phe	Leu	Gly	Ala	Thr	Glu	Cys
			100					105					110		
Ile	Leu	Leu	Ala	Val	Met	Ser	Leu	Asp	Arg	Tyr	Ile	Ala	Ile	Cys	Lys
		115						120				125			
Pro	Leu	Arg	Tyr	Pro	Ala	Ile	Met	His	Gln	Gln	Leu	Cys	Ile	Leu	Leu
	130					135					140				
Val	Ser	Met	Ala	Trp	Leu	Ser	Gly	Leu	Ala	Asn	Ser	Leu	Leu	Gln	Ser
145					150					155				160	
Thr	Leu	Thr	Val	Lys	Leu	Pro	Phe	Cys	Gly	Asn	Asn	Lys	Val	Asp	Asn
			165						170					175	
Phe	Leu	Cys	Glu	Val	Pro	Val	Met	Ile	Lys	Met	Ser	Cys	Ala	Asn	Thr
			180					185					190		
Ala	Phe	Asn	Ile	Ala	Met	Leu	Ser	Ile	Val	Gly	Thr	Phe	Tyr	Ser	Leu
		195					200					205			
Val	Pro	Leu	Ser	Leu	Ile	Leu	Ile	Ser	Tyr	Gly	Phe	Ile	Val	Ala	Thr
	210					215					220				
Val	Leu	Arg	Ile	Arg	Ser	Ser	Glu	Gly	Lys	Lys	Lys	Ala	Phe	Asn	Thr
225					230					235				240	
Cys	Gly	Ser	His	Val	Val	Val	Thr	Leu	Phe	Tyr	Gly	Pro	Val	Ile	
				245					250					255	
Ser	Met	Tyr	Val	Gln	Pro	Ser	Ser	Ser	Asn	Ser	Gln	Asp	Lys	Asn	Lys
			260					265					270		
Leu	Leu	Ser	Leu	Phe	Tyr	Ser	Leu	Val	Thr	Pro	Met	Leu	Asn	Pro	Phe
		275					280					285			
Ile	Tyr	Thr	Leu	Arg	Asn	Lys	Asp	Met	Lys	Gly	Ala	Met	Lys	Arg	Leu
	290					295					300				
Leu	Val	Ser	Leu	Tyr	His	Lys	Gly	Ala	Glu	Gln	Thr				
305					310					315					

<210> 1902
 <211> 314
 <212> PRT
 <213> Mus musculus

<400> 1902

Met	Glu	Ile	Asn	Asn	Lys	Ser	Ser	Glu	Thr	Asp	Phe	Ile	Leu	Leu	Gly
1				5					10					15	
Phe	Ser	Ser	Arg	Pro	Gln	Leu	Glu	His	Ile	Ile	Ser	Ala	Val	Val	Phe
			20					25					30		
Val	Phe	Tyr	Ile	Val	Thr	Leu	Val	Gly	Asn	Thr	Thr	Ile	Ile	Leu	Val
		35					40				45				
Ser	Tyr	Leu	Asp	Ser	Gln	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Ser
	50					55					60				
Asn	Leu	Ser	Phe	Val	Asp	Leu	Cys	Tyr	Thr	Thr	Ser	Ile	Val	Pro	Gln
65					70					75				80	
Met	Leu	Val	Asn	Leu	Trp	Gly	Pro	Lys	Lys	Ser	Ile	Thr	Tyr	Gly	Gly
			85						90					95	
Cys	Val	Leu	Gln	Phe	Phe	Phe	Ala	Leu	Asp	Leu	Gly	Ala	Thr	Glu	Cys
			100					105					110		
Leu	Leu	Leu	Ala	Val	Met	Ala	Tyr	Asp	Arg	Tyr	Ala	Ala	Val	Cys	Gln
		115					120					125			
Pro	Leu	His	Tyr	Thr	Val	Ile	Met	His	Pro	Val	Leu	Cys	Gln	Lys	Met
	130					135					140				
Val	Leu	Ser	Ala	Trp	Leu	Gly	Gly	Leu	Gly	Ser	Ala	Leu	Ile	Leu	Cys
145					150					155					160

Ser	Leu	Thr	Leu	Lys	Leu	Pro	Arg	Cys	Gly	His	Arg	Glu	Val	Asp	Asn	
				165					170					175		
Phe	Phe	Cys	Glu	Met	Pro	Ala	Leu	Ile	Lys	Met	Ala	Cys	Val	Tyr	Ser	
			180					185					190			
Arg	Val	Ile	Glu	Ile	Val	Val	Phe	Thr	Leu	Gly	Val	Ile	Phe	Leu	Leu	
		195					200					205				
Val	Pro	Leu	Ser	Leu	Ile	Leu	Ile	Ser	Tyr	Ala	Val	Ile	Thr	Gln	Ala	
	210					215					220					
Val	Met	Lys	Ile	Lys	Ser	Ala	Thr	Arg	Trp	Arg	Lys	Val	Leu	Asn	Thr	
225					230					235					240	
Cys	Gly	Ser	His	Leu	Thr	Val	Val	Thr	Leu	Phe	Tyr	Gly	Thr	Leu	Ile	
			245						250					255		
Tyr	Met	Tyr	Met	Lys	Pro	Gln	Asn	Thr	Ile	Ser	His	Glu	Glu	Gly	Gln	
			260					265					270			
Phe	Phe	Thr	Leu	Phe	Tyr	Thr	Ile	Val	Thr	Pro	Ser	Leu	Asn	Pro	Leu	
		275					280					285				
Ile	Tyr	Thr	Leu	Arg	Asn	Lys	Asp	Val	Lys	Asn	Ala	Val	Lys	Arg	Ile	
	290				295						300					
Leu	Gly	Met	Asp	Lys	His	Ser	Gly	Lys	Val							
305					310											

<210> 1903

<211> 316

<212> PRT

<213> Mus musculus

<400> 1903

Met	Ser	Val	Asn	Arg	Ile	Ser	Ala	Asp	Phe	Pro	Glu	Asp	Phe	Ile	Leu	
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Met	Gly	Phe	Thr	Lys	Tyr	Pro	Trp	Leu	Asp	Leu	Pro	Leu	Phe	Phe	Val	
			20					25				30				
Leu	Leu	Thr	Ser	Tyr	Met	Phe	Thr	Leu	Leu	Gly	Asn	Ile	Ala	Ile	Ile	
		35					40					45				
Leu	Val	Ser	Gln	Leu	Asp	Ser	Gln	Leu	Gln	Ser	Pro	Met	Tyr	Phe	Phe	
	50					55					60					
Leu	Thr	Ser	Leu	Ser	Phe	Leu	Asp	Leu	Cys	Phe	Thr	Thr	Thr	Thr	Val	
65					70					75					80	
Pro	Gln	Met	Leu	Phe	Asn	Leu	Gln	Gly	Pro	Asn	Lys	Asn	Ile	Thr	Tyr	
			85					90					95			
Ile	Gly	Cys	Met	Ala	Gln	Ala	Tyr	Val	Phe	His	Trp	Leu	Gly	Cys	Thr	
			100					105					110			
Glu	Cys	Val	Leu	Leu	Gly	Ile	Met	Ala	Leu	Asp	Arg	Tyr	Val	Ala	Val	
		115					120					125				
Cys	Lys	Pro	Leu	Arg	Tyr	Ser	Val	Ile	Met	Asp	His	Arg	Leu	Cys	Leu	
	130					135					140					
Gln	Leu	Ser	Gly	Ala	Ala	Trp	Leu	Thr	Gly	Leu	Ala	Asn	Ser	Leu	Leu	
145					150					155					160	
Gln	Ser	Thr	Leu	Thr	Ile	Gln	Leu	Pro	Leu	Cys	Gly	Asn	Arg	Met	Leu	
			165						170					175		
Asp	His	Phe	Phe	Cys	Glu	Leu	Pro	Gly	Leu	Ile	Lys	Met	Ser	Cys	Gly	
		180						185					190			
Asp	Thr	Thr	Val	Asn	Glu	Val	Thr	Leu	Ala	Val	Val	Ala	Thr	Phe	Phe	
		195					200					205				
Ile	Met	Gly	Pro	Leu	Ser	Met	Ile	Leu	Val	Ser	Tyr	Ser	Tyr	Ile	Ala	
	210					215						220				
Gln	Thr	Val	Phe	Arg	Met	Pro	Ser	Ala	Ala	Gly	Arg	Leu	Lys	Ala	Phe	
225					230					235					240	
Asn	Thr	Cys	Ser	Ser	His	Leu	Leu	Val	Val	Ser	Leu	Phe	Tyr	Gly	Pro	

				245					250					255			
Gly	Ile	Tyr	Ile	Tyr	Met	Gln	Pro	Ser	Glu	Asp	Gly	Ser	Gln	Asp	Leu		
			260					265					270				
Ile	Lys	Val	Leu	Thr	Leu	Phe	Tyr	Cys	Val	Ile	Thr	Pro	Met	Ala	Asn		
		275					280					285					
Pro	Phe	Ile	Tyr	Thr	Leu	Arg	Asn	Lys	Asp	Val	Ile	Gly	Ala	Leu	Lys		
	290					295					300						
Arg	Leu	Leu	Arg	Lys	Ala	Ile	Ser	Thr	Lys	Gly	Ile						
305					310					315							

<210> 1904

<211> 316

<212> PRT

<213> Mus musculus

<400> 1904

Met	Ala	Tyr	Glu	Val	Met	Asn	Gln	Thr	Ser	Ala	Thr	Thr	Phe	Ile	Leu		
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Val	Gly	Phe	Ser	Glu	Tyr	Pro	Gln	Leu	Gln	Ile	Pro	Leu	Phe	Leu	Leu		
			20				25						30				
Phe	Leu	Thr	Ile	Tyr	Ser	Val	Thr	Leu	Met	Gly	Asn	Leu	Gly	Ile	Leu		
		35					40				45						
Val	Val	Ile	Lys	Gly	Asn	Pro	Lys	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe		
	50					55					60						
Leu	Ser	His	Leu	Ser	Phe	Leu	Asp	Ile	Cys	Tyr	Ser	Ser	Val	Phe	Thr		
65					70				75						80		
Pro	Lys	Leu	Leu	Gln	Ile	Leu	Ile	Met	Glu	Asp	Arg	Thr	Ile	Ser	Phe		
				85					90					95			
Ile	Gly	Cys	Met	Ile	Gln	Phe	Phe	Phe	Ile	Cys	Thr	Phe	Val	Ile	Thr		
			100					105					110				
Glu	Met	Phe	Met	Leu	Ala	Val	Met	Ala	Tyr	Asp	Arg	Phe	Val	Ala	Val		
		115					120					125					
Cys	Asn	Pro	Leu	Leu	Tyr	Thr	Val	Val	Met	Pro	Phe	Gln	Phe	Cys	Ala		
	130					135				140							
Leu	Leu	Val	Ala	Gly	Thr	Tyr	Met	Ile	Gly	Gly	Leu	Cys	Ala	Val	Ile		
145					150					155					160		
Leu	Ile	Tyr	Thr	Leu	Gln	Leu	Ser	Tyr	Cys	Glu	Tyr	Gly	Ile	Ile			
			165					170					175				
Asn	His	Phe	Gly	Cys	Glu	Tyr	Ser	Ala	Val	Ile	Ser	Val	Ser	Cys	Ser		
			180					185					190				
Asp	Ser	Ser	Phe	Ser	Gln	Leu	Ala	Cys	Leu	Val	Ile	Ser	Ile	Phe	Ser		
		195				200						205					
Glu	Ser	Ser	Ser	Val	Leu	Ile	Thr	Leu	Ala	Ser	Tyr	Val	Phe	Ile	Val		
	210					215					220						
Val	Thr	Ile	Ile	Lys	Met	Pro	Ser	Lys	Gly	Gly	Leu	Arg	Lys	Ala	Phe		
225					230					235					240		
Ser	Thr	Cys	Thr	Ser	His	Leu	Thr	Ala	Ile	Ser	Ile	Phe	His	Gly	Ile		
			245						250					255			
Ile	Leu	Leu	Leu	Tyr	Cys	Val	Pro	Asn	Ser	Asn	Ser	Ser	Arg	Leu	Phe		
		260						265					270				
Val	Lys	Val	Ala	Thr	Ala	Leu	Tyr	Thr	Val	Met	Ile	Pro	Met	Leu	Asn		
	275						280					285					
Pro	Leu	Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Val	Lys	Asp	Thr	Val	Arg		
	290					295					300						
Arg	Leu	Ile	Ser	Ser	Lys	Leu	His	Ser	His	Leu	Thr						
305					310					315							

<210> 1905
 <211> 312
 <212> PRT
 <213> Mus musculus

<400> 1905

Met	Ile	Asn	Gln	Ser	Ser	Val	Thr	Thr	Phe	Ile	Leu	Val	Gly	Phe	Ser
1				5					10					15	
Glu	Tyr	Pro	His	Leu	Gln	Pro	Pro	Leu	Phe	Leu	Met	Val	Met	Thr	Ile
			20					25					30		
Tyr	Thr	Val	Thr	Leu	Val	Gly	Asn	Val	Gly	Ile	Ile	Leu	Val	Arg	Arg
		35					40					45			
Ile	Asn	Pro	Lys	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Ser	His	Leu
	50					55					60				
Ser	Phe	Leu	Asp	Ile	Cys	Tyr	Ser	Ser	Val	Val	Thr	Pro	Lys	Leu	Leu
65				70					75						80
Glu	Ile	Leu	Ile	Val	Glu	His	Arg	Thr	Ile	Ser	Leu	Asn	Gly	Cys	Met
			85						90				95		
Thr	Gln	Phe	Phe	Phe	Gly	Cys	Ala	Cys	Val	Ile	Thr	Glu	Met	Phe	Met
		100						105					110		
Leu	Ala	Val	Met	Ala	Tyr	Asp	Arg	Phe	Val	Ala	Val	Cys	Asn	Pro	Leu
	115						120					125			
Leu	Tyr	Thr	Val	Ala	Met	Ser	His	Gln	Leu	Cys	Ala	Leu	Leu	Val	Ala
	130					135					140				
Gly	Ser	Tyr	Met	Trp	Gly	Gly	Leu	Cys	Ala	Val	Ile	Ile	Thr	Tyr	Thr
145				150					155						160
Leu	Val	Glu	Leu	Ser	Tyr	Cys	Glu	Pro	Gly	Ile	Ile	Asp	His	Phe	Gly
			165						170				175		
Cys	Glu	Tyr	Ser	Ala	Ile	Val	Ser	Val	Ser	Cys	Ser	Asp	Pro	Ser	Phe
		180					185					190			
Ser	Gln	Met	Val	Cys	Leu	Val	Ile	Ser	Ile	Leu	Ser	Glu	Gly	Ser	Ser
	195						200					205			
Leu	Leu	Ile	Thr	Met	Ala	Ser	Tyr	Val	Phe	Ile	Val	Val	Thr	Ile	Ile
	210					215					220				
Lys	Met	Pro	Ser	Lys	Asp	Gly	Leu	Arg	Lys	Ala	Phe	Ser	Thr	Cys	Thr
225				230					235						240
Ser	His	Leu	Thr	Ala	Ile	Ser	Ile	Phe	His	Gly	Ile	Ile	Leu	Leu	Leu
			245					250					255		
Tyr	Cys	Ile	Pro	Asn	Ala	Lys	Ser	Ser	Lys	Leu	Leu	Val	Lys	Val	Ala
		260					265					270			
Thr	Val	Leu	Tyr	Thr	Val	Leu	Ile	Pro	Met	Leu	Asn	Pro	Leu	Ile	Tyr
		275				280					285				
Ser	Leu	Arg	Asn	Lys	Asp	Val	Lys	Glu	Thr	Val	Lys	Arg	Leu	Ile	Ser
	290					295					300				
Ser	Lys	Leu	His	Ser	Gln	Thr	Ile								
305					310										

<210> 1906
 <211> 303
 <212> PRT
 <213> Mus musculus

<400> 1906

Met	Tyr	Asn	His	Thr	Met	Thr	Glu	Phe	Ile	Leu	Phe	Gly	Leu	Thr	Gln
1				5					10					15	
Asp	Pro	Glu	Gln	Gln	Lys	Ala	Ile	Phe	Gly	Val	Phe	Leu	Ile	Leu	Tyr
		20						25				30			
Leu	Met	Thr	Leu	Met	Gly	Asn	Phe	Leu	Ile	Met	Val	Thr	Ile	Lys	Met